STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

SALEM TO MANCHESTER
13933G

March 26, 2009

ADDENDUM NO. 3

Bidders are advised to make the following revisions to the Plans and Proposal:

1. **Replace**, in Volume I of the Proposal, pages 1 through 10 with attached pages 1A through 10A of the Information Report, and pages 370 through 412 with attached pages 370A through 412A, the Bid Schedule. The following changes are reflected in these documents:

Bid Date:

From: Thursday, April 2, 2009

To: Wednesday, April 15, 2009

Completion Date:

From: June 29, 2012

To: November 1, 2011

		Quantity	
Item	**Description**	**From**	**To**
203.94	Baseline Water Sampling	200 EA	**208 EA**
203.95	Extended Water Sampling	21 EA	**24 EA**
210.63	Groundwater Observation Well (Soil Drilling)	175 LF	**125 LF**
210.64	Groundwater Observation Well (Rock Drilling)	525 LF	**375LF**
210.7	Protective Casing with Cap and Lock	7 EA	**5 EA**
618.61	Uniformed Officers with Vehicle	$750,000	**$625,000**
698.11913	Field Office Equipment and Supplies	39 Months	**30 Months**
698.2	Physical Testing Laboratory	39 Months	**30 Months**

****Note: The above table quantity changes also must be amended on sheet 18, in the Incidental Item Summary, in the Volume I Plan set.**

2. **Insert**, in Volume 1 of the Proposal, page 122A, the **Special Attention** – Section 102, notifying bidders of the **Mandatory Pre-Bid Meeting** on Wednesday, April 1, 2009 at 10:00 AM at NHDOT in Room 112/113.

3. **Insert**, in Volume 1 of the Proposal, on page 13, in the Prosecution of Work, after ***Description of Work*** section, the following:

   NOTICE OF MANDATORY PRE-BID MEETING

   Refer to Special Attention for Section 102 for more detailed information for prospective bidders regarding the mandatory pre-bid meeting.

4. **Attention Prime Contractors:**

   When acknowledging this addendum, all Prime Contractors must also acknowledge the Mandatory Pre-Bid Meeting by fax (603-271-1558).

5. **Amend**, in Volume I of the Proposal, on page 28, in the Prosecution of Work, within the ***Rock Removal – Groundwater Monitoring*** section, the fourth paragraph, with the following:

   "The work completed by the Hydrogeologist shall also be coordinated with groundwater monitoring efforts associated with prior (Salem-Manchester 13933K) and future contracts in the I-93 Exit 3 area. Contact Krystal Pelham of the Bureau of Materials and Research (Tel. 603-271-3151) for an appointment to review available reports on groundwater observation well installations performed under the 13933K Contract."

6. **Insert**, in Volume I of the Proposal, on page 28, in the Prosecution of Work, within the ***Rock Removal*** section, after the *Groundwater Monitoring* subsection, the following:

   "Bidder Notice: Performance criteria contained in the state contract documents for blasting shall be used to determine the bidder's unit price for **Item 203.2 - Rock Excavation** and any other excavation requiring the use of blasting. The list of performance criteria includes, but is not limited to, peak particle velocity, insurance limits, blasting time frames and pre-blast survey limits. The contractor shall notify the Town Fire and Police Departments in advance of planned blasting operations."

7. **Amend**, in Volume 1 of the Proposal, on page 30, in the Prosecution of Work, within the ***Corridor Field Office*** section, the first paragraph, with the following:

   "Work associated with the renovation of the existing building located on the 77 Indian Rock Rd. Property in Windham (Plan Parcel Number W38) has been included in this Contract under Item 802.11 – Building Renovations (Corridor

Field Office). (See Volume II of the plan set.) All work associated with Volume II shall be included in and paid for as a Lump Sum under Item 802.11."

"Existing building plans are not available for this building for review. The demolition and building construction scope of work is identified in Volume II in the Building Plans and Specification for Item 802.11."

8. **Amend**, in Volume 1 of the Proposal, on page 32, in the Prosecution of Work, within the ***Construction Requirements*** section, paragraph #7 to read:

   7. "Smart Work Zone (SWZ) Items (Items 619.5X) are being utilized on this contract. Portable Changeable Message Signs (PCMS) (specific to the smart work zone package), portable queue detectors (PQT), and video cameras (PTZ) shall be implemented to help mitigate lengthy and extensive traffic back ups. (PCMS and PQT's are included for use along the northbound and southbound barrel, just north of Exit 2, for use during the 13933F (Brookdale Road bridge replacement) contract construction.) Coordination with the 13933F Contractor will be required for placement of these components, as well as for any other SWZ related issues necessary to meet the intended goals of this system/package. The SWZ components used during 13933F Contract are anticipated to be in place for 15 months and through 2 winter maintenance seasons. The intent is to use the Smart Work Zone system until SB traffic is shifted to its interim location using the two interim crossovers onto the ultimate NB barrel, ending coincident to the interim completion date of September 30, 2011, being in place for 29 months. Refer the Special Provisions for details and project locations."

9. **Amend**, in Volume I of the Proposal, on page 34, in the Prosecution of Work, within the ***Completion Date*** section, by changing the final completion date to November 1, 2011.

10. **Delete**, in Volume I of the Proposal, on page 34, in the Prosecution of Work, within the ***Completion Date*** section, the last sentence. This change adds allowances for weather days.

11. **Replace**, in Volume I of the Proposal, page 122B with pages 122C through 122G, the **traffic signage exhibit.**

12. **Delete**, in Volume I of the Proposal, page 172, the **Special Provision to Section 108**. This change adds allowances for weather days.

13. **Amend**, in Volume I of the Proposal, on page 195, Section 203 – Excavation and Embankment, the **Special Provision for Items 203.93, 203.94, and 203.95**, 3.14.3.1 as follows:

3.14.3.1 Groundwater Monitoring Wells. The following groundwater observation wells shall be included in groundwater sampling events:

Groundwater Observation Well	GPS Easting Coordinate	GPS Northing Coordinate
K-3 (See Note)	1087912.90	114032.80
K-4 (See Note)	1088428.92	113700.29
K-9 (See Note)	1089426.80	112711.43
G-1	1089997.19	111902.63
G-2	1090242.80	111243.19
G-3	1090165.42	110439.08
G-4	1090649.90	109270.68
G-5	1090622.99	108716.47

Note – Groundwater observation wells K-3, K-4, and K-9 are already in place and are currently being sampled by a Hydrogeologist company hired under the Salem to Manchester 13933K project. The Contractor shall coordinate with the 13933K project Hydrogeologist for access to sample the existing wells K-3, K-4 and K-9.

14. **Amend**, in Volume I of the Proposal, on page 201, Section 210 – Geotechnical Instrumentation, the **Special Provision for Items 210.63 – Groundwater Observation Well (Soil Drilling), Item 210.64 – Groundwater Observation Well (Rock Drilling), and Item 210.7 – Protective Casing with Cap and Lock**, 1.1 as follows:

1.1 This work shall consist of constructing groundwater observation wells seated into bedrock with grout to allow collection of water samples for laboratory analysis and for measuring groundwater elevations. Groundwater observation wells shall be installed at the approximate locations shown below, which shall be confirmed with the Bureau of Materials and Research per 3.1, or as directed.

Groundwater Observation Well	GPS Easting Coordinate	GPS Northing Coordinate
G-1	1089997.19	111902.63
G-2	1090242.80	111243.19
G-3	1090165.42	110439.08
G-4	1090649.90	109270.68
G-5	1090622.99	108716.47

15. **Replace**, in Volume I of the Proposal, page 413 with attached 413A, the **Signature Page**. Revises the Completion Date in the document.

16. **Amend**, in the Volume II of the Proposal, on page 4, in **Section 01100 – Summary,** within 1.2.D.3, the second sentence, to read:

"Any discrepancy with the Drawings and Specifications shall be communicated IN WRITING to Peter Stamnas, NHDOT Project Manager (Tel. 603-271-2171), Attn; Gregory Goucher, Project Manager - Bureau of Public Works (Greg Goucher R.A. fax. 603-271-3515) no later than 5 days prior to receipt of bids by the State of NH."

17. **Insert**, into the Volume II of the Proposal, on page 8, in **Section 01200 – Price and Payment Procedures and Allowances**, within 1.2, the following:

J. **Allowance No. 4:** Lump Sum Allowance of **$35,000** (Thirty Five Thousand and 00/100 Dollars) for septic system design and installation. The septic system work component of this project is to be considered "Design/Build". It shall be the responsibility of the Contractor/Subcontractor to provide any and all items/engineering/design/permits and documentation, and As-Built records to provide a fully functional on-site septic system. The completed septic system shall conform to all Federal/State/and Local, Codes, Regulations and Ordinances. It shall be the responsibility of the Contractor/Subcontractor to provide a fully functioning system within the Allowance #4. Related septic system work shall include, but not be limited to, the following minimum items:

- Pavement repair.
- Minor re-grading.
- Incidental trenching, excavation, fill, and backfill. (Excavation for waterproofing the existing walls is NOT part of this allowance and is part of the Lump Sum Price associated with Item 802.11.)

18. **Insert**, into the Volume II of the Proposal, on page 25, in **Section 01400 – Quality Requirements,** the following:

1.8.A.3. All costs of testing specified in Volume II shall be included within the Lump Sum price associated with Item 802.11.

19. **Delete**, in the Volume II of the Proposal, on pages 29 through 31, **Section 01500 – Temporary Facilities and Controls, subsections 1.6 – Telephone Service, 1.7 – Facsimile Service, and 1.10 – Field Offices and Sheds** as these elements are already included in the 13933K shared field office.

20. **Insert**, into the Volume II of the Proposal, on page 32, in **Section 01500 – Temporary Facilities and Controls,** the following:

1.14.A.4. All costs for traffic related personnel and devices, as specified in Volume II shall be included within the Lump Sum price associated with Item 802.11.

21. **Insert**, into the Volume II of the Proposal, the attached page 57A, an exhibit showing the existing **"Freda Hardware" Existing Site Plan**, (Scale 1"=40').

22. **Insert**, into the Volume II of the Proposal, page 57B-57I, **Section 02300 – Earthwork**, sheets 02300-1 through 02300-8.

23. **Bidders are advised of the following:**

    Bidder Notice: Bidders are advised that the Specifications for **Section 10800 – Toilet and Bath Accessories** can be found starting on page 86 of Volume II of the Proposal. This section was inadvertently placed out of order.

24. **Amend**, in the Volume II of the Proposal, on page 88, in **Section 10800-Toilet and Bath Accessories**, Part 2, section 2.4.E.2, the following:

    From: "60" wide x 46" high"

    To: **"36" wide x 46" high"**

25. **Amend**, in the Volume II of the Proposal, on page 89, in **Section 10800-Toilet and Bath Accessories**, Part 3 - Execution, section 3.4-Toilet and Bath Schedule, the following:

    From: "Mirror B290 x6046 (w x h)

    To: **"Mirror B290 36" x 46" (w x h)**

26. **Amend**, in the Volume II of the Proposal, on page 89, in **Section 10800-Toilet and Bath Accessories**, Part 3 - Execution, section 3.4-Toilet and Bath Accessory Schedule, the following quantities:

	Quantity	
Description	**From**	**To**
42" Grab Bar	2	**3**
36" Grab Bar	2	**3**
Paper Towel Dispenser	1	**3**
Feminine Napkin Disposal	1	**2**
Hand Dryer	2	**0**

27. **Amend**, in the Volume II of the Proposal, on page 101, **Section 08000 – Door and Window Schedule**, Door 01, Door 09, and Door 23, Size (w x h), the following:

    From: "3'-0" x 7'-0""

    To: **"3'-0" x 6'-8"**

28. **Amend**, in the Volume II of the Proposal, on page 110, **Section 08212 – Fiberglass Exterior Doors**, in section 2.1.A.1.b, the following:

    From: "Substitutions: Section 01600 – Product Requirements."

    To: **"Therma Tru**

29. **Insert**, into the Volume II of the Proposal, the attached page 130A, an exhibit showing the **Door Hardware Schedule**.

30. **Amend**, in the Volume II of the Proposal, on page 152, **Section 09680 – Carpet**, in section 2.2.A.3, the following:

    From: "Titan with High Performance Backing System"

    To: **"Critics Choice with High Performance Backing System."**

31. **Amend**, in the Volume II of the Proposal, on page 152, **Section 09680 – Carpet**, in section 2.2.A.6, the following:

    From: "Minimum 28 ounces per square yard"

    To: **"Minimum 26 ounces per square yard."**

32. **Amend**, in the Volume II of the Proposal, on page 166, **Section 10400 – Signage**, Part 2 – Products, section 2.3.B, the text "Exterior Door Signs (Tactile)" **to read "Exterior Door Signs".**

33. **Delete**, in the Volume II of the Proposal, on page 166, **Section 10400 – Signage**, Part 2 – Products, section 2.3.B, the text "with embossed steel pictogram and lettering".

34. **Delete**, in the Volume II of the Proposal, on page 166, **Section 10400 – Signage**, Part 2 – Products, section 2.3.B.5. Deletes the entire sub-section.

35. **Delete**, in the Volume II of the Proposal, on page 167, **Section 10400 – Signage**, Part 2 – Products, section 2.3.D – Exterior Building Identification Signs. Deletes the entire section.

36. **Amend**, in the Volume II of the Proposal, on page 168, **Section 10400 – Signage**, Part 3 – Execution, section 3.4 - Panel Sign Schedule, section A, the text "Exterior Door Signs (see also 2.3.D above)" **to read "Exterior Door Signs".**

37. **Amend**, in the Volume II of the Proposal, on page 168, **Section 10400 – Signage**, Part 3 – Execution, section 3.4 - Panel Sign Schedule, section A, the sign size from "A" **to "B".**

38. **Amend**, in the Volume II of the Proposal, on page 168, **Section 10400 – Signage**, Part 3 – Execution, section 3.4 - Panel Sign Schedule, section A, the sign text from "entry" **to read "New Hampshire Department of Transportation, 77 Indian Rock Road".**

39. **Insert**, in the Volume II of the Proposal, on page 168, **Section 10400 – Signage**, Part 3 – Execution, section 3.4 - Panel Sign Schedule, section A, the following note below the table: **"Note: Mount sign horizontally. Text height to be a minimum of 2 inches".**

40. **Delete**, in the Volume II of the Proposal, on page 168, **Section 10400 – Signage**, Part 3 – Execution, section 3.4.C.1. Deletes the sub-section.

41. **Insert**, into the Volume II of the Proposal, on page 179, in **Section 15/16010 – Basic Mechanical and Electrical Requirements,** the following:

    1.13.L. All known hazardous materials have been removed from the building. Should additional hazardous materials be encountered during execution of the contract work, immediately notify the Contract Administrator and provide a Change Proposal identifying and quantifying Time, Materials, Equipment and Labor required for resolution.

42. **Amend**, in Volume I of the Plans, on sheet 20, located in the ***Subsidiary Work* summary**, the reference from Item 615.033 to Item 615.03.

43. **Insert**, into the Volume II of the Plans, on sheet A1.0, the following **general note**:

    General Notes:

    1 Remove all existing interior wood partitions, furring, and finishes.

44. **Insert**, into the Volume II of the Plans, on sheet A2.0, the following **general notes**:

    General Notes:

    1 Remove existing second floor windows and trim. Infill openings with wood framing, plywood, and insulation to match the adjoining construction.

    2 Install vinyl siding over the wood filled openings as indicated on the plan drawings.

    3 The existing second unfinished second floor space shall be abandoned and shall not be accessible from the first floor.

45. **Amend**, in the Volume II of the Plans, on Sheet S1, General Notes – Foundation - #2, the following:

    From: "Compacted Structural Fill"

    To: **"Crushed Gravel, Minimum 8" Depth"**

46. **Amend**, in the Volume II of the Plans, on Sheet S1, General Notes – Foundation - #3, the following:

    From: "Engineered Backfill"

    To: **"Select Fill"**

47. **Delete**, in the Volume II of the Plans, on page P1, P2 and P3, the **references to Ejector Pump SP/2**, located in the Sump Pump Schedule (P1), Plumbing Floor Plan – Waste and Vent detail (P1), Part, Floor Plan (P2), and Ejector Pump Detail 3 (P3).

THE CONTRACTOR SHALL ACKNOWLEDGE THIS ADDENDUM ON THE BID ENVELOPE

William J. Cass, P. E.
Director of Project Development

3-26-09
Date

March 25, 2009

SPECIAL ATTENTION

SECTION 102 -- BIDDING REQUIREMENTS AND CONDITIONS

MANDATORY PRE-BID MEETING

The Bidder (Prime Contractor) is required to attend a mandatory pre-bid meeting **as a condition for submitting a bid**. The Bidder's representative must be a paid employee of the company. The meeting will be held on Wednesday, April 1, 2009, in Room 112/113 at the New Hampshire Department of Transportation headquarters, John O. Morton Building, 7 Hazen Drive, PO Box 483, Concord, NH 03302, beginning promptly at 10 am. Attendance will be recorded at the beginning of the pre-bid meeting. Directions to the John O. Morton Building are available on line at http://www.nh.gov/dot/faq.htm#Directions

PROJECT FUNDING SOURCE SIGN ASSEMBLY
AMERICAN RECOVERY AND REINVESTMENT ACT
SIGN LAYOUT DETAILS

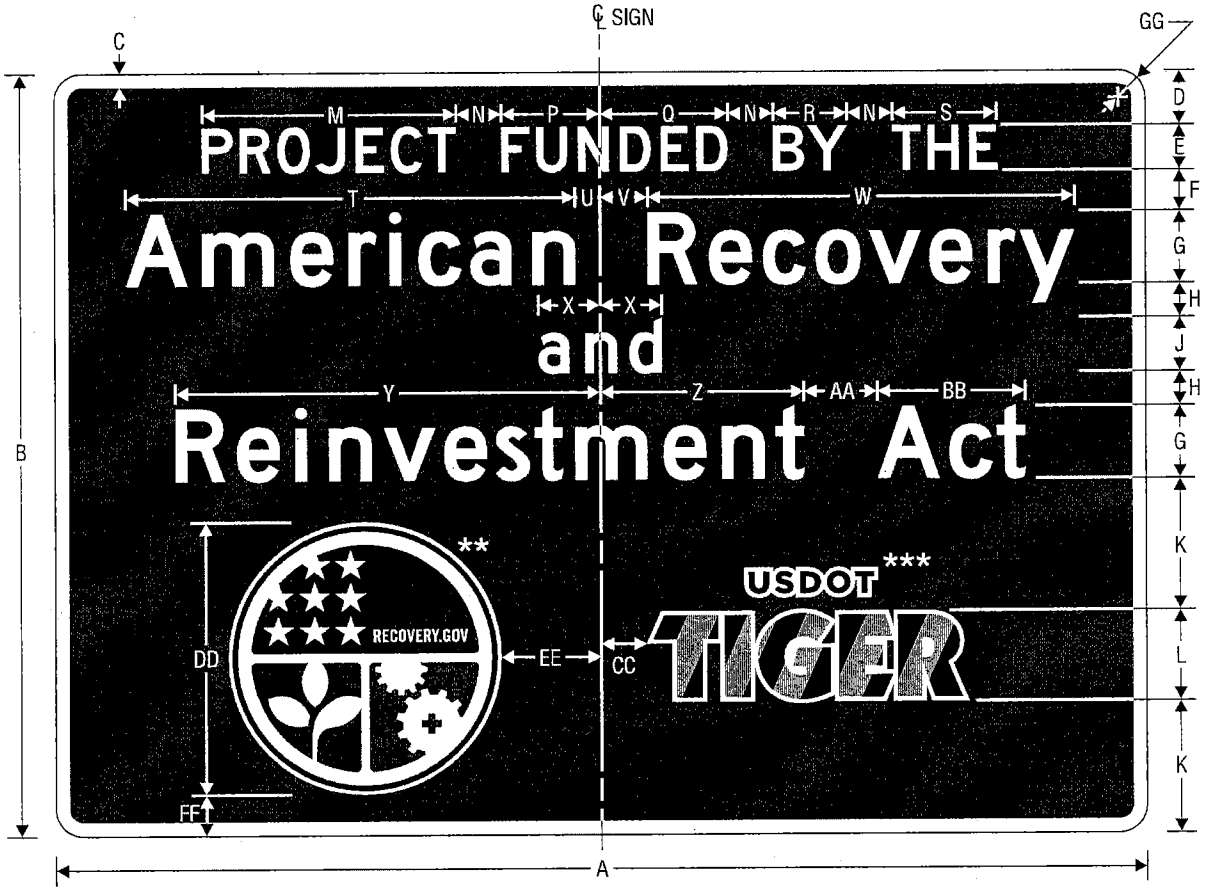
PROJECT FUNDING SOURCE
SIGN ASSEMBLY

SALEM TO MANCHESTER 13933G

This project requires four (4) of the "*American Recovery and Reinvestment Act*" signs. Two (2) signs shall be located on each of the NB and SB barrels of I-93. The completion date for this project is November 2011. Work associated with these signs shall conform to, as well as, be subsidiary to Item 619.1 – Maintenance of Traffic.

122C

PROJECT FUNDING SOURCE SIGN ASSEMBLY
AMERICAN RECOVERY AND REINVESTMENT ACT
SIGN LAYOUT DETAILS



PROJECT FUNDING SOURCE SIGN

NOTE: SIGN SHALL NOT BE INSTALLED WITHOUT PROJECT FUNDING SOURCE PLAQUE (SEE SHEET 3).

Dimensions in inches

A	B	C	D	E	F	G	H	J	K	L	M	N	P
120	84	1.5	6	5 D	4.5	8 D*	3.75	6 D* (4 5 LC)	14.5	10	27.917	5	10.831
84	60	1	5	4 C	3.5	6 C*	3	4 D* (3 LC)	9.25	7	19.047	4	7.362

Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD
14.087	8.106	11.556	49.42	2.742	5.258	46.904	6.812	46.76	22.472	8	16.288	5	30
9.484	5.162	7.763	31.722	2.415	3.585	30.552	4.542	30.911	14.737	6	10.175	4	21

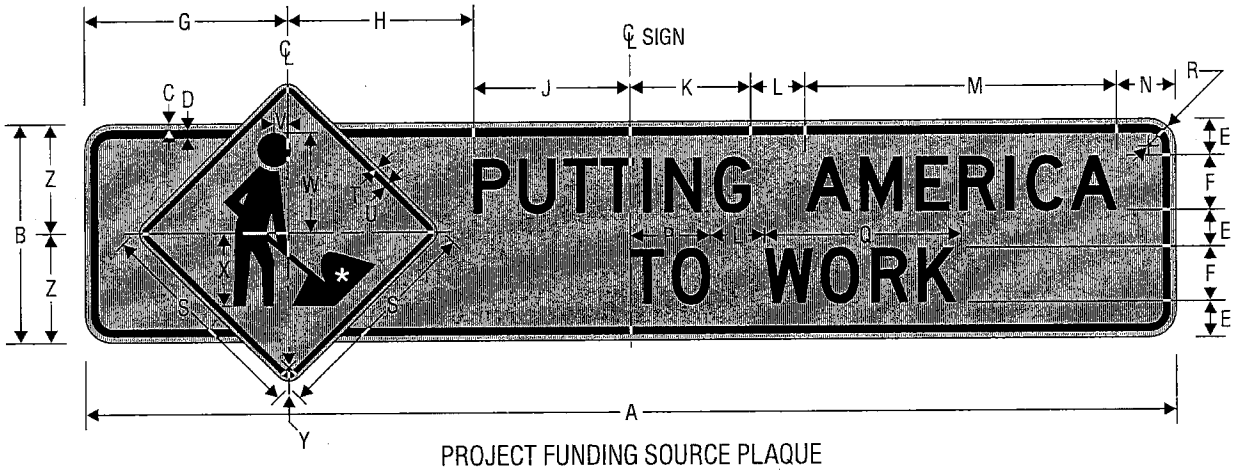
EE	FF	GG
11	4.5	3
7.5	2.25	2.25

122 D

* Increase character spacing 50%
** See Pictograph page 4
*** See Pictograph page 5

COLORS: LEGEND, BORDER — WHITE (RETROREFLECTIVE)
BACKGROUND — GREEN (RETROREFLECTIVE)

PROJECT FUNDING SOURCE SIGN ASSEMBLY
AMERICAN RECOVERY AND REINVESTMENT ACT
SIGN LAYOUT DETAILS



PROJECT FUNDING SOURCE PLAQUE

NOTE: PLAQUE SHALL NOT BE INSTALLED WITHOUT SIGN (SEE SHEET 2).

* See *Standard Highway Signs* Page 6-59 for symbol design.

Dimensions in inches

A	B	C	D	E	F	G	H	J	K	L	M	N	P
120	24	0.625	0.875	4	6 D	22.349	20.370	17.281	13.28	6	34.22	6.5	8.765
84	18	0.375	0.625	3.5	4 D	16.607	15.686	9.707	10.667	4	22.813	5	5.843

Q	R	S	T	U	V	W	X	Y	Z
21.013	3	24	0.375	0.625	1.5	11	8	1.5	12
14.009	2.25	18	0.375	0.625	1	7	6	1.5	9

122E

COLORS: LEGEND, BORDER – BLACK
BACKGROUND – ORANGE (RETROREFLECTIVE)

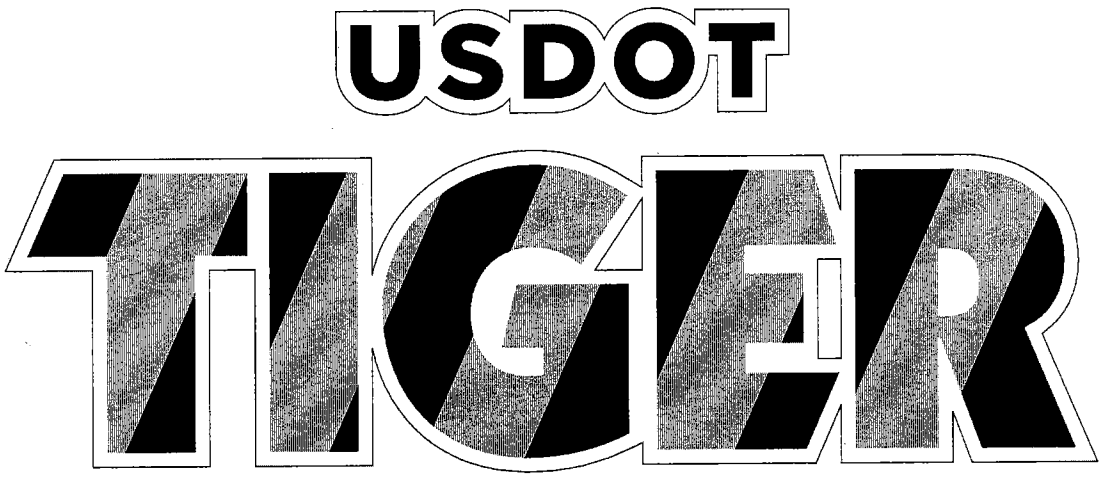
PROJECT FUNDING SOURCE SIGN ASSEMBLY
AMERICAN RECOVERY AND REINVESTMENT ACT
SIGN LAYOUT DETAILS

RECOVERY
Vector-Based, Vinyl-Ready Pictograph

COLORS:	LEGEND, OUTLINE	– WHITE (RETROREFLECTIVE)
	BORDER	– BLUE (RETROREFLECTIVE)
	BACKGROUND (UPPER)	– BLUE (RETROREFLECTIVE)
	BACKGROUND (LOWER RIGHT)	– RED (RETROREFLECTIVE)
	BACKGROUND (LOWER LEFT)	– GREEN (RETROREFLECTIVE)

122F

PROJECT FUNDING SOURCE SIGN ASSEMBLY
AMERICAN RECOVERY AND REINVESTMENT ACT
SIGN LAYOUT DETAILS



USDOT TIGER
Vector-Based, Vinyl-Ready Pictograph

COLORS: OUTLINE – WHITE (RETROREFLECTIVE)
USDOT LEGEND – BLACK
TIGER DIAGONALS – BLACK,
ORANGE (RETROREFLECTIVE)

122 G

It is further proposed:

To execute the Contract and begin work within 10 days from the date specified in the "Notice to Proceed" and to prosecute said work so as to complete the Roadway Project and its appurtenances on or before November 1, 2011 .

To furnish a Contract Bond in the amount of 100 per cent of the Contract award, as security for the construction and completion of the Roadway Project and its appurtenances in accordance with the Plans, Specifications and Contract. The Contractor's attention is called to section 103.05 of the Standard Specifications which reads, in part, as follows: "Unless specifically waived in the Proposal, upon execution of the Contract, the successful Bidder shall furnish the Department a surety bond or bonds equal to the sum of the Contract amount. The form of the bonds(s) shall be acceptable to the Department and the bonding Company issuing the bond(s) shall be licensed to transact business in the State of New Hampshire, and ..."

To certify that the Bidder, in accordance with the requirements of 103.06 and 108.01, intends to sublet, assign, sell, transfer or otherwise dispose of one or more portions of the work and (1) has contacted the appropriate listed disadvantaged businesses and afforded such disadvantaged businesses equal consideration with non-disadvantaged business for all work the Bidder currently proposes to sublet, assign, sell, transfer or otherwise dispose of, (2) may contact additional appropriate disadvantage businesses and will afford such businesses equal consideration with non-disadvantaged businesses for all work the Bidder in the future proposes to sublet, assign, sell, transfer or otherwise dispose of, and (3) will complete enclosed "DISADVANTAGED BUSINESS ENTERPRISE COMMITMENT FORM" and Letters of Intent for each disadvantaged business. The name of the person in the Bidder's organization who has been designated as the liaison officer to administer the disadvantaged business enterprise program is:

_____

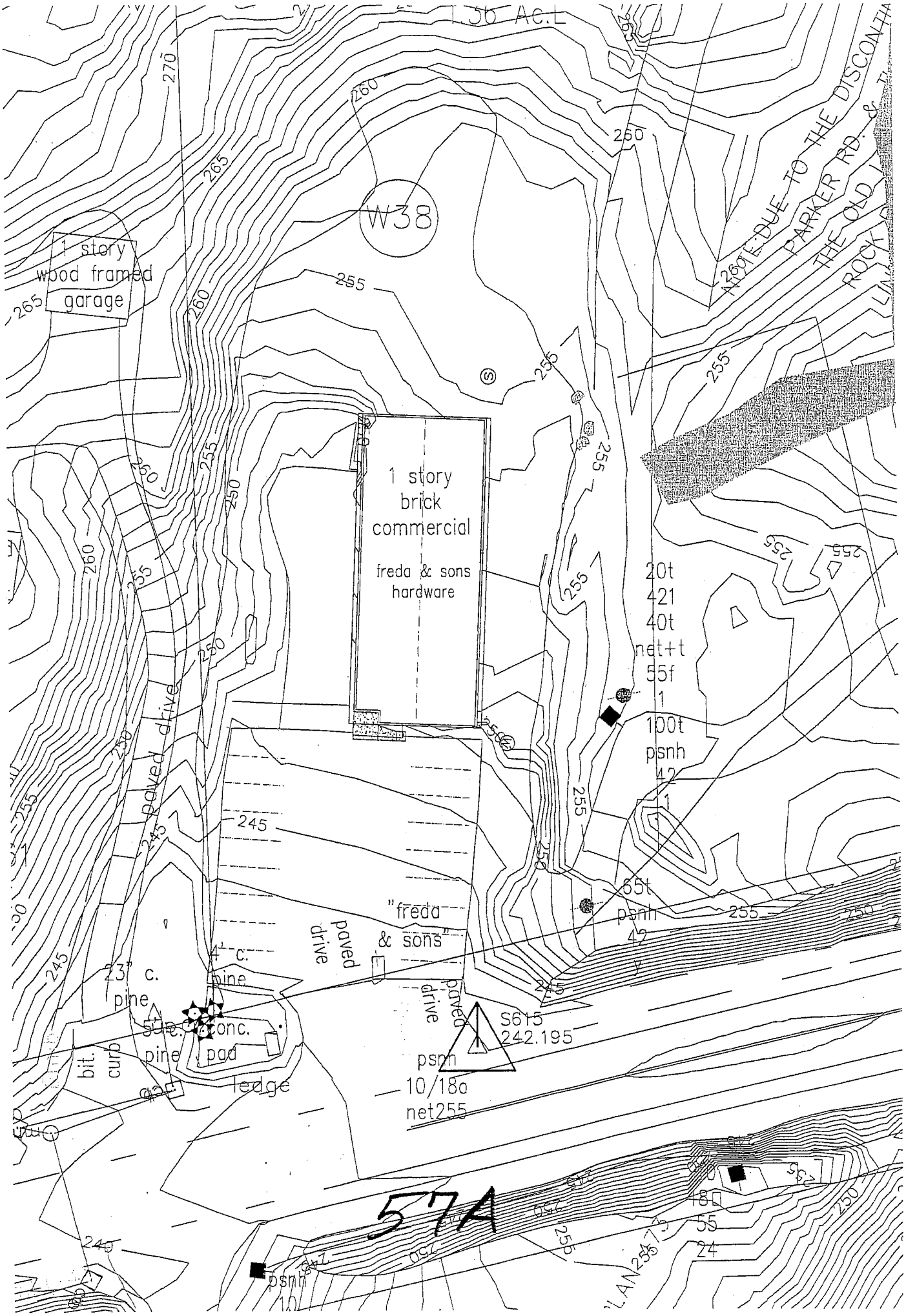
(To be completed by the Bidder)

To guarantee all of the work performed under this Contract to be done in accordance with the Specifications and in good and workmanlike manner, and to renew or repair any work which may be rejected, due to defective materials or workmanship, prior to final completion and acceptance of the project.

Enclosed herewith find certified check or bid bond in the amount of Fifty Thousand Dollars and No Cents dollars ($50,000.00), made payable to the "Treasurer, State of New Hampshire," as a proposal guarantee which it is understood will be forfeited in the event the Contract is not executed, if awarded by the Department to the undersigned.

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions.

(1). The prospective primary participant certifies to the best of its knowledge and belief, that it and all its principals: (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency; (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statues or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property; (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1) (b) of this certification and (d) Have not within a three-year period proceeding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default. (2). Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.


SCALE 1" = 40'
FREDA HARDWARE - EXISTING SITE PLAN
W38
1 story
wood framed
garage
1 story
brick
commercial
freda & sons
hardware
PARKER RD. &
THE OLD
ROCK
NOTE: DUE TO THE DISCONTI
paved drive
"freda
& sons"
paved
drive
paved
drive
4" c.
pine
23" c.
pine
sug.
pine
conc.
pad
ledge
bit.
curb
S615
242.195
psnh
10/18a
net255
20t
421
40t
net+t
55f
1
100t
psnh
42
1
65t
psnh
42
57A

SECTION 02300 - EARTHWORK

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

B. NHDOT Standard Specifications for Road and Bridge Construction, latest edition.

1.2 SUMMARY

A. This Section includes the following:
   1. Preparing sub-grades.
   2. Excavating and backfilling for buildings and structures.
   3. Subsurface drainage backfill for walls and trenches.
   4. Excavating and backfilling for utility trenches.

B. Related Sections include the following:
   1. Division 1 Section "Temporary Facilities and Controls" for temporary controls, utilities, and support facilities.
   2. Division 3 Section "Cast-in-Place Concrete".
   3. Divisions 2, 15, and 16 Sections for installing underground mechanical and electrical utilities and buried mechanical and electrical structures.

C. See also Structural Drawings for additional requirements related to Earthwork.

1.3 DEFINITIONS

A. Backfill: Soil material or controlled low-strength material used to fill an excavation.
   1. Initial Backfill: Backfill placed beside and over pipe in a trench, including haunches to support sides of pipe.
   2. Final Backfill: Backfill placed over initial backfill to fill a trench.

B. Base Course: Course placed between the sub-base course and hot-mix asphalt paving.

C. Bedding Course: Course placed over the excavated sub-grade in a trench before laying pipe.

D. Borrow Soil: Satisfactory soil imported from off-site for use as fill or backfill.

E. Drainage Course: Course supporting the slab-on-grade that also minimizes upward capillary flow of pore water.

F. Excavation: Removal of material encountered above sub-grade elevations and to lines and dimensions indicated.
   1. Authorized Additional Excavation: Excavation below sub-grade elevations or beyond indicated lines and dimensions as directed by Owner. Authorized additional excavation and replacement material will be paid for according to Contract provisions for changes in the Work.
   2. Bulk Excavation: Excavation more than 10 feet in width and more than 30 feet in length.
   3. Unauthorized Excavation: Excavation below sub-grade elevations or beyond indicated lines and dimensions without direction by Owner. Unauthorized excavation, as well as remedial work directed by Owner, shall be without additional compensation.

G. Fill: Soil materials used to raise existing grades.

H. Rock: Rock material in beds, ledges, unstratified masses, conglomerate deposits, and boulders of rock material that exceed 1 cu. yd. for bulk excavation or 3/4 cu. yd. for footing, trench, and pit excavation that cannot be removed by rock excavating equipment equivalent to the following in size and performance ratings, without systematic drilling, ram hammering, ripping, or blasting, when permitted:

I. Structures: Buildings, footings, foundations, retaining walls, slabs, tanks, curbs, stairs, ramps, mechanical and electrical appurtenances, or other man-made stationary features constructed above or below the ground surface.

J. Sub-grade: Surface or elevation remaining after completing excavation, or top surface of a fill or backfill immediately below sub-base, drainage fill, or topsoil materials.
K. Utilities: On-site underground pipes, conduits, ducts, and cables, as well as underground services within buildings.

1.4 SUBMITTALS
A. Product Data: For the following:
1. Each type of plastic warning tape.
2. Controlled low-strength material, including design mixture.
3. Manufacturer's Product Specifications and Samples
B. Material Test Reports: From a qualified testing agency indicating and interpreting test results for compliance of the following with requirements indicated:
1. Classification according to ASTM D 2487 of each on-site and borrow soil material proposed for fill and backfill.
2. Laboratory compaction curve according to ASTM D 698 and/or ASTM D 1557 for each on-site and borrow soil material proposed for fill and backfill.

1.5 QUALITY ASSURANCE
A. Pre-excavation Conference: Conduct conference at Project site to comply with requirements in Division 1 Section "Project Management and Coordination."
B. Compaction Test Reports: From a qualified testing agency indicating and interpreting test results for compliance of the following with requirements indicated:
1. Compaction tests of soils in place according to ASTM D 1556, ASTM D 2167, ASTM D 2922, and ASTM D 2937, as applicable.

1.6 PROJECT CONDITIONS
A. Existing Utilities: Coordinate with the removal and replacement of existing utility systems noted on the plans.
1. Contact utility-locator service for area where Project is located before excavating.
B. Demolish and completely remove from site existing underground utilities indicated to be removed. Coordinate with utility companies to shut off services if lines are active.

PART 2 - PRODUCTS

2.1 SOIL MATERIALS
A. General: Provide borrow soil materials when sufficient satisfactory soil materials are not available from excavations.
B. Satisfactory Soils: Soil Classification Groups GW, GP, GM, SW, SP, and SM according to ASTM D 2487 and Soil Classification Groups A-1, A-2-4, A-2-5, and A-3 according to AASHTO M 145 , or a combination of these groups; free of rock or gravel larger than 3 inches in any dimension, debris, waste, frozen materials, vegetation, and other deleterious matter.
C. Unsatisfactory Soils: Soil Classification Groups GC, SC, CL, ML, OL, CH, MH, OH, and PT according to ASTM D 2487 and A-2-6, A-2-7, A-4, A-5, A-6, and A-7 according to AASHTO M 145, or a combination of these groups.
1. Unsatisfactory soils also include satisfactory soils not maintained within 2 percent of optimum moisture content at time of compaction.
D. Crushed Gravel: Hard durable particles or fragments of stone, gravel and natural or crushed sand free from deleterious amounts of organic matter. At least 50 percent of the materials retained on the 1 inch sieve shall have a fractured face.

Sieve Size	% Passing By Weight
3 inch	100
2 inch	95 - 100
1 inch	55 - 85
No. 4	27 - 52

No. 200 (Based on fraction passing the No. 4)	0 – 12

E. Gravel: Hard durable particles or fragments of stone, gravel and natural or crushed sand free from deleterious amounts of clay, silt or organic matter.

Sieve Size	% Passing By Weight
6 inch	100
No. 4	25 - 70
No. 200 (Based on fraction passing the No. 4)	0 – 12

F. Select Fill: Hard durable particles or fragments of stone, gravel and natural or crushed sand free from deleterious amounts of clay, silt or organic matter.

Sieve Size	% Passing By Weight
4 inch	100
3 inch	90-100
¼ inch	25 – 90
#40	0-30
No. 200 (Based on fraction passing the No. 4)	0 – 5

G. Crushed Stone (Fine) NHDOT #7 Aggregate: Hard durable particles or fragments of stone, gravel and natural or crushed sand free from deleterious amounts of clay, silt or organic matter.

Sieve Size	% Passing By Weight
3/4 inch	100
1/2 inch	90-100
3/8 inch	40-70
#4	0-15
#8	0 – 5

Crushed stone to be compacted to at least 100% of its dry rodded unit weight as determined by ASTM C-29.

H. Sand: Hard durable natural or crushed sand particles free of deleterious amounts of clay, silt or organic matter.

Sieve Size	% Passing By Weight
1-1/2 inch	100
No. 4	70 - 100
No. 200 (Based on fraction passing the No. 4)	0 - 15

I. Stabilization Fabric: "Mirafi 700X" or approved equivalent.

J. Filter Fabric: 10 oz. needle punched, non-woven, polypropylene - "Mirafi 1100 N" or approved equivalent.

K. Suitable Backfill: The natural earth material excavated during the course of construction, exclusive of debris, pieces of pavement, organic matter, topsoil, muck, peat, clay, rocks over 6-inches in largest dimension, or any material which, as determined by the independent testing agency, will not provide sufficient support or maintain the completed construction in a stable condition.

2.2 SECTION RESERVED

2.3 ACCESSORIES

A. Detectable Warning Tape: Acid- and alkali-resistant polyethylene film warning tape manufactured for marking and identifying underground utilities, a minimum of 6 inches wide and 4 mils thick, continuously inscribed with a description of the utility, with metallic core encased in a protective jacket for corrosion protection, detectable by metal detector when tape is buried up to 30 inches deep; colored as follows:
   1. Red: Electric.
   2. Yellow: Gas, oil, steam, and dangerous materials.
   3. Orange: Telephone and other communications.
   4. Blue: Water systems.
   5. Green: Sewer systems.

PART 3 - EXECUTION

3.1 PREPARATION

A. Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout, and other hazards created by earthwork operations.
B. Preparation of sub-grade for earthwork operations including removal of vegetation, topsoil, debris, obstructions, and deleterious materials from ground surface.
C. Protect and maintain erosion and sedimentation controls during earthwork operations.
D. Provide protective insulating materials to protect sub-grades and foundation soils against freezing temperatures or frost.

3.2 DEWATERING

A. Prevent surface water and ground water from entering excavations, from ponding on prepared sub-grades, and from flooding Project site and surrounding area.
B. Protect sub-grades from softening, undermining, washout, and damage by rain or water accumulation.
   1. Reroute surface water runoff away from excavated areas. Do not allow water to accumulate in excavations. Do not use excavated trenches as temporary drainage ditches.

3.3 EXPLOSIVES

A. Explosives: Do not use explosives.

3.4 EXCAVATION, GENERAL

A. Excavation: Excavate to sub-grade elevations regardless of the character of surface and subsurface conditions encountered. Excavated material is assumed to be earth but may include rock and obstructions. If rock excavation or removal is required to complete the Vol. II contract work, it shall be paid for as extra work.
   1. If excavated materials intended for fill and backfill include unsatisfactory soil materials and rock, replace with satisfactory soil materials.
   2. Remove rock to lines and grades indicated to permit installation of permanent construction without exceeding the following dimensions:
      a. 24 inches outside of concrete forms other than at footings.
      b. 12 inches outside of concrete forms at footings.
      c. 6 inches outside of minimum required dimensions of concrete cast against grade.
      d. Outside dimensions of concrete walls indicated to be cast against rock without forms or exterior waterproofing treatments.
      e. 6 inches beneath bottom of concrete slabs on grade.
      f. 6 inches beneath pipe in trenches, and the greater of 24 inches wider than pipe or 42 inches wide.

3.5 EXCAVATION FOR STRUCTURES

A. Excavate to indicated elevations and dimensions within a tolerance of plus or minus 1 inch. If applicable, extend excavations a sufficient distance from structures for placing and removing concrete formwork, for installing services and other construction, and for inspections.
   1. Excavations for Footings and Foundations: Do not disturb bottom of excavation. Excavate by hand to final grade just before placing concrete reinforcement. Trim bottoms to required lines and grades to leave solid base to receive other work.

3.6 EXCAVATION FOR UTILITY TRENCHES

A. Excavate trenches to indicated gradients, lines, depths, and elevations.
   1. Beyond building perimeter, excavate trenches to allow installation of top of pipe below indicated depths.

B. Excavate trenches to uniform widths to provide the following clearance on each side of pipe or conduit. Excavate trench walls vertically from trench bottom to 12 inches higher than top of pipe or conduit, unless otherwise indicated.
   1. Clearance: 12 inches each side of pipe or conduit unless otherwise indicated.

C. Trench Bottoms: Excavate trenches a minimum 4 inches deeper than bottom of pipe elevation to allow for bedding course. Hand excavate for bell of pipe.
   1. Excavate trenches 6 inches deeper than elevation required in rock or other unyielding bearing material to allow for bedding course.

3.7 SUBGRADE INSPECTION

A. Notify Owner when excavations have reached required sub-grade.

B. If independent testing agency determines that unsatisfactory soil is present, continue excavation and replace with compacted backfill or fill material as directed.

C. Authorized additional excavation and replacement material will be paid for according to Contract provisions for changes in the Work.

D. Reconstruct sub-grades damaged by freezing temperatures, frost, rain, accumulated water, or construction activities, as directed by Owner, without additional compensation.

3.8 UNAUTHORIZED EXCAVATION

A. Fill unauthorized excavation under foundations or wall footings by extending bottom elevation of concrete foundation or footing to excavation bottom, without altering top elevation. Lean concrete fill, with 28-day compressive strength of 2500 psi, may be used when approved by Owner.
   1. Fill unauthorized excavations under other construction or utility pipe as directed by Owner.

3.9 STORAGE OF SOIL MATERIALS

A. Stockpile borrow soil materials and excavated satisfactory soil materials without intermixing. Place, grade, and shape stockpiles to drain surface water. Cover to prevent windblown dust.
   1. Stockpile soil materials away from edge of excavations. Do not store within drip line of remaining trees.

3.10 BACKFILL

A. Place and compact backfill in excavations promptly, but not before completing the following:
   1. Construction below finish grade including, where applicable, and perimeter insulation.
   2. Surveying locations of underground utilities for Record Documents.
   3. Testing and inspecting underground utilities.
   4. Removing concrete formwork.
   5. Removing trash and debris.
   6. Removing temporary shoring and bracing, and sheeting.
   7. Installing permanent or temporary horizontal bracing on horizontally supported walls.

B. Place backfill on sub-grades free of mud, frost, snow, or ice.

3.11 UTILITY TRENCH BACKFILL

A. Place backfill on sub-grades free of mud, frost, snow, or ice.
B. Place and compact bedding course on trench bottoms and where indicated. Shape bedding course to provide continuous support for bells, joints, and barrels of pipes and for joints, fittings, and bodies of conduits.
C. Backfill trenches excavated under footings and within 18 inches of bottom of footings with satisfactory soil; fill with concrete to elevation of bottom of footings. Concrete is specified in Division 3 Section "Cast-in-Place Concrete."
D. Place and compact initial backfill of sub-base material, free of particles larger than 1 inch in any dimension, to a height of 12 inches over the utility pipe or conduit.
    1. Carefully compact initial backfill under pipe haunches and compact evenly up on both sides and along the full length of utility piping or conduit to avoid damage or displacement of piping or conduit. Coordinate backfilling with utilities testing.
E. Backfill voids with satisfactory soil while installing and removing shoring and bracing.
F. Place and compact final backfill of satisfactory soil to final sub-grade elevation.
G. Install warning tape directly above utilities, 12 inches below finished grade, except 6 inches below sub-grade under pavements and slabs.
    1. Use appropriate color coded tape for specific utility types as indicated above.

3.12 COMPACTION OF SOIL BACKFILLS AND FILLS

A. Place backfill and fill soil materials in layers not more than 8 inches in loose depth for material compacted by heavy compaction equipment, and not more than 4 inches in loose depth for material compacted by hand-operated tampers.
B. Place backfill and fill soil materials evenly on all sides of structures to required elevations, and uniformly along the full length of each structure.
C. Compact soil materials to not less than the following percentages of maximum dry unit weight according to ASTM D 698 or ASTM D 1557:
    1. Under structures, building slabs, steps, and pavements, scarify and re-compact top 12 inches of existing sub-grade and each layer of backfill or fill soil material at 95 percent.
    2. Under walkways, scarify and re-compact top 6 inches below sub-grade and compact each layer of backfill or fill soil material at 95 percent.
    3. Under lawn or unpaved areas, scarify and re-compact top 6 inches below sub-grade and compact each layer of backfill or fill soil material at 85 percent.
    4. For utility trenches, compact each layer of initial and final backfill soil material at 90 percent.

3.13 GRADING

A. General: Uniformly grade areas to a smooth surface, free of irregular surface changes. Comply with compaction requirements and grade to cross sections, lines, and elevations indicated.
    1. Provide a smooth transition between adjacent existing grades and new grades.
    2. Cut out soft spots, fill low spots, and trim high spots to comply with required surface tolerances.
B. Site Grading: Slope grades to direct water away from buildings and to prevent ponding. Finish sub-grades to required elevations within the following tolerances:
    1. Lawn or Unpaved Areas: Plus or minus 1 inch.
    2. Walks: Plus or minus 1 inch.
    3. Pavements: Plus or minus 1/2 inch.
C. Grading inside Building Lines: Finish sub-grade to a tolerance of 1/2 inch when tested with a 10-foot straightedge.

3.14 SUBBASE AND BASE COURSES

A. Place sub-base course on sub-grades free of mud, frost, snow, or ice.
B. On prepared sub-grade, place sub-base course under pavements and walks as follows:
    1. Shape sub-base course to required crown elevations and cross-slope grades.

2. Place sub-base course 6 inches or less in compacted thickness in a single layer.
3. Place sub-base course that exceeds 6 inches in compacted thickness in layers of equal thickness, with no compacted layer more than 6 inches thick or less than 3 inches thick.
4. Compact sub-base course at optimum moisture content to required grades, lines, cross sections, and thickness to not less than 95 percent of maximum dry unit weight according to ASTM D 698 or ASTM D 1557.

3.15 DRAINAGE COURSE

A. Place drainage course on sub-grades free of mud, frost, snow, or ice.
B. On prepared sub-grade, place and compact drainage course under cast-in-place concrete slabs-on-grade as follows:
   1. Place drainage course 6 inches or less in compacted thickness in a single layer.
   2. Place drainage course that exceeds 6 inches in compacted thickness in layers of equal thickness, with no compacted layer more than 6 inches thick or less than 3 inches thick.
   3. Compact each layer of drainage course to required cross sections and thicknesses to not less than 95 percent of maximum dry unit weight according to ASTM D 698.

3.16 FIELD QUALITY CONTROL

A. Testing Agency: Provide a qualified independent geotechnical engineering testing agency to perform field quality-control testing.
B. Allow testing agency to inspect and test sub-grades and each fill or backfill layer. Proceed with subsequent earthwork only after test results for previously completed work comply with requirements.
C. Footing Sub-grade: At footing sub-grades, at least one test of each soil stratum will be performed to verify design bearing capacities. Subsequent verification and approval of other footing sub-grades may be based on a visual comparison of sub-grade with tested sub-grade when approved by Owner.
D. Testing agency will test compaction of soils in place according to ASTM D 1556, ASTM D 2167, ASTM D 2922, and ASTM D 2937, as applicable. Tests will be performed at the following locations and frequencies:
   1. Paved and Building Slab Areas: At sub-grade and at each compacted fill and backfill layer, at least 1 test for every 2000 sq. ft. or less of paved area or building slab, but in no case fewer than 3 tests.
   2. Foundation Wall Backfill: At each compacted backfill layer, at least 1 test for each 100 feet or less of wall length, but no fewer than 2 tests.
   3. Trench Backfill: At each compacted initial and final backfill layer, at least 1 test for each 150 feet or less of trench length, but no fewer than 2 tests.
E. When testing agency reports that sub-grades, fills, or backfills have not achieved degree of compaction specified, scarify and moisten or aerate, or remove and replace soil to depth required; re-compact and retest until specified compaction is obtained.

3.17 PROTECTION

A. Protecting Graded Areas: Protect newly graded areas from traffic, freezing, and erosion. Keep free of trash and debris.
B. Repair and reestablish grades to specified tolerances where completed or partially completed surfaces become eroded, rutted, settled, or where they lose compaction due to subsequent construction operations or weather conditions.
   1. Scarify or remove and replace soil material to depth as directed by Owner; reshape and re-compact.
C. Where settling occurs before Project correction period elapses, remove finished surfacing, backfill with additional soil material, compact, and reconstruct surfacing.
   1. Restore appearance, quality, and condition of finished surfacing to match adjacent work, and eliminate evidence of restoration to greatest extent possible.

3.18 DISPOSAL OF SURPLUS AND WASTE MATERIALS

A. Disposal: Remove surplus satisfactory soil and waste material, including unsatisfactory soil, trash, and debris, and legally dispose of it off Owner's property.

END OF SECTION 02300

3.6 DOOR HARDWARE SCHEDULE

HARDWARE SET	EXTERIOR HINGES	INTERIOR HINGES	PANIC DEVICE	EXTERIOR CLOSER	INTERIOR CLOSER	PASSAGE LATCH SET	OFFICE LATCH SET	ENTRANCE/EGRESS LATCH SET	STOREROOM LATCH SET	STOREFRONT LATCH SET	PRIVACY LATCH SET		DOOR PULL	KICK PLATE	SILENCERS	ALUMINUM THRESHOLD	MARBLE THRESHOLD	SWEEP	WEATHERSTRIP/GASKET		ELECTRIC LATCH SET WITH ACCESS SYSTEM			REMARKS
1	O			O																			
2		O			O	O									O		O						
3		O			O						O				O		O						
4	O	O			O			O										O	O				
5	O			O				O							O			O	O				
6		O			O			O										O	O				
7	O			O				O										O	O		O		
8	Provide Corbin Russwin Cylinder matching State Access requirements for this door.																						
9	O	O		O				O								O		O	O				

END OF SECTION 08711

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

INFORMATION REPORT

PROJECT: SALEM-MANCHESTER
A000(127), 13933G

COUNTY AND CODE: ROCKINGHAM 015
HILLSBOROUGH 011

DATE BIDS OPEN: April 15, 2009

SCOPE OF WORK: ROADWAY AND BRIDGE RECONSTRUCTION

LOCATION: I-93, NH ROUTES 11 AND 111A

COMPLETION DATE: November 1, 2011

PROPOSAL GUARANTEE: 50,000.00

FEDERAL PARTICIPATION: 100%

ESTIMATED QUANTITIES

NATIONAL HIGHWAY SYSTEM

ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
201.1	CLEARING AND GRUBBING (F)	A	55.5
201.6	CLEARING FOR FENCE LINES (F)	A	.4
201.8811	INVASIVE SPECIES CONTROL TYPE 1	A	3.3
201.8821	INVASIVE SPECIES CONTROL TYPE 2	A	3.25
202.31	FILL ABANDONED PIPE	CY	90.
202.32	FILL ABANDONED STRUCTURE	CY	20.
202.41	REMOVAL OF EXISTING PIPE 0-24" DIAMETER	LF	3,000.
202.5	REMOVAL OF CATCH BASINS, DROP INLETS, AND MANHOLES	EA	11.
202.7	REMOVAL OF GUARDRAIL (F)	LF	17,720.
203.1	COMMON EXCAVATION	CY	256,600.
203.2	ROCK EXCAVATION	CY	362,690.
203.4	MUCK EXCAVATION	CY	35,028.
203.52	IMPERVIOUS MATERIAL (F)	CY	3,546.
203.5525	PORTABLE CHANGEABLE MESSAGE SIGN PLATFORM	U	3.
203.5554	GUARDRAIL 50' EAGRT PLATFORM	U	13.

203.6	EMBANKMENT-IN-PLACE (F)	CY	489,240.
203.62	EMBANKMENT-IN-PLACE REPLACEMENT MATERIAL	CY	9,600.
203.81	PRESPLITTING HOLES	LF	40,700.
203.82	EXTRA DRILLED HOLES WITHOUT EXPLOSIVES	LF	6,000.
203.91	ROCK SCALING-HAND METHOD	HR	300.
203.92	ROCK SCALING-MACHINE METHOD	HR	450.
203.93	HYDROGEOLOGIST	U	1.
203.94	BASELINE WATER SAMPLING	EA	208.
203.95	EXTENDED WATER SAMPLING	EA	24.
206.1	COMMON STRUCTURE EXCAVATION	CY	3,760.
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	60.
206.2	ROCK STRUCTURE EXCAVATION	CY	8,060.
209.1	GRANULAR BACKFILL	CY	5,345.
210.63	GROUNDWATER OBSERVATION WELL (SOIL DRILLING)	LF	125.
210.64	GROUNDWATER OBSERVATION WELL (ROCK DRILLING)	LF	375.
210.7	PROTECTIVE CASING WITH CAP AND LOCK	EA	5.
214.	FINE GRADING	U	1.
224.1	HORIZONTAL DRAINS IN ROCK	LF	7,500.
225.2	PRESTRESSED ROCK BOLTS	LF	2,000.
225.3	ROCK DOWELS	LF	2,000.
304.1	SAND (F)	CY	69,535.
304.4	CRUSHED STONE (FINE GRADATION) (F)	CY	41,407.
304.41	CRUSHED STONE (FINE GRADATION) FOR SHIM	CY	800.
304.499	TEMPORARY CRUSHED STONE (FINE GRADATION)	CY	60.
304.5	CRUSHED STONE (COARSE GRADATION) (F)	CY	21,620.
315.5	CRUSHED STONE - ENERGY ABSORBING MATERIAL	CY	850.
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	5,600.
403.11001	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 1)	TON	45,300.
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	60.
403.6	PAVEMENT JOINT ADHESIVE	LF	94,500.
403.99	TEMPORARY BITUMINOUS PAVEMENT	TON	3,800.
417.	COLD PLANING BITUMINOUS SURFACES	SY	19,000.
503.101	WATER DIVERSION STRUCTURES	U	1.
503.102	WATER DIVERSION STRUCTURES	U	1.

2A

503.103	WATER DIVERSION STRUCTURES	U	1.
503.104	WATER DIVERSION STRUCTURES	U	1.
503.105	WATER DIVERSION STRUCTURES	U	1.
503.106	WATER DIVERSION STRUCTURES	U	1.
503.201	COFFERDAMS	U	1.
508.	STRUCTURAL FILL	CY	85.
520.1	CONCRETE CLASS A	CY	88.
520.2	CONCRETE CLASS B	CY	375.
538.5	BARRIER MEMBRANE, WELDED BY TORCH (F)	SY	156.
544.1	REINFORCING STEEL (ROADWAY)	LB	39,954.
559.4	ELASTOMERIC PLUG TYPE EXPANSION JOINT (F)	LF	135.
565.222	BRIDGE APPROACH RAIL, T2 (STEEL POSTS) (F)	LF	234.
585.2	STONE FILL, CLASS B	CY	3,680.
585.3	STONE FILL, CLASS C	CY	1,422.
585.4	STONE FILL, CLASS D	CY	60.
593.231	GEOTEXTILE; SEPARATION CL.3, NON-WOVEN	SY	36,000.
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	9,872.
602.32412	CURED-IN-PLACE LINER FOR 24" DRAINAGE PIPE	LF	170.
602.33012	CURED-IN-PLACE LINER FOR 30" DRAINAGE PIPE	LF	270.
602.33612	CURED-IN-PLACE LINER FOR 36" DRAINAGE PIPE	LF	200.
602.34812	CURED-IN-PLACE LINER FOR 48" DRAINAGE PIPE	LF	220.
603.00215	15" R.C. PIPE, 2000D	LF	861.
603.00218	18" R.C. PIPE, 2000D	LF	200.
603.00224	24" R.C. PIPE, 2000D	LF	415.
603.00230	30" R.C. PIPE, 2000D	LF	310.
603.00236	36" R.C. PIPE, 2000D	LF	56.
603.00248	48" R.C. PIPE, 2000D	LF	100.
603.00318	18" R.C. PIPE, 3000D	LF	80.
603.00324	24" R.C. PIPE, 3000D	LF	760.
603.00330	30" R.C. PIPE, 3000D	LF	6.
603.00336	36" R.C. PIPE, 3000D	LF	50.
603.00436	36" R.C. PIPE, 3750D	LF	100.
603.00448	48" R.C. PIPE, 3750D	LF	220.
603.30124	24" R.C. END SECTIONS	EA	6.
603.30136	36" R.C. END SECTIONS	EA	3.
603.36112	12" ALUMINIZED STEEL END SECTION	EA	8.
603.36115	15" ALUMINIZED STEEL END SECTION	EA	6.
603.36118	18" ALUMINIZED STEEL END SECTION	EA	9.
603.36124	24" ALUMINIZED STEEL END SECTION	EA	6.
603.36130	30" ALUMINIZED STEEL END SECTION	EA	1.

603.36136	36" ALUMINIZED STEEL END SECTION	EA	1.
603.49012	12" PIPE FOR SLOPE DRAIN. (CONTRACTORS OPTION)	LF	60.
603.61024	RELAYING 0-24" RCP DRAINAGE PIPE	LF	24.
603.83204	4" PLASTIC PIPE (SMOOTH INTERIOR)	LF	50.
603.83206	6" PLASTIC PIPE (SMOOTH INTERIOR)	LF	100.
603.83210	10" PLASTIC PIPE (SMOOTH INTERIOR)	LF	40.
603.83212	12" PLASTIC PIPE (SMOOTH INTERIOR)	LF	292.
603.83215	15" PLASTIC PIPE (SMOOTH INTERIOR)	LF	13,500.
603.83218	18" PLASTIC PIPE (SMOOTH INTERIOR)	LF	4,600.
603.83224	24" PLASTIC PIPE (SMOOTH INTERIOR)	LF	1,340.
603.83230	30" PLASTIC PIPE (SMOOTH INTERIOR)	LF	168.
603.83236	36" PLASTIC PIPE (SMOOTH INTERIOR)	LF	110.
604.0007	POLYETHYLENE LINER	EA	126.
604.12	CATCH BASINS TYPE B	U	105.
604.125	CATCH BASINS TYPE B, 5-FOOT DIAMETER	U	14.
604.126	CATCH BASINS TYPE B, 6-FOOT DIAMETER	U	4.
604.15	CATCH BASINS TYPE E	U	48.9
604.155	CATCH BASINS TYPE E, 5-FOOT DIAMETER	U	8.
604.16	CATCH BASINS TYPE F	U	18.
604.165	CATCH BASINS TYPE F, 5-FOOT DIAMETER	U	4.
604.32	DRAINAGE MANHOLES	U	5.
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	70.
604.6	MANHOLE COVERS & FRAMES	EA	1.
605.506	6" PERF. CORR. POLYETHYL PIPE UND.	LF	24,326.
605.79	UNDERDRAIN FLUSHING BASINS	EA	31.
605.82251	24 " AGGREGATE UNDERDRAIN TYPE 2 WITH PERFORATED CORRUGATED POLY. PIPE	LF	8,000.
606.120	BEAM GUARDRAIL (STANDARD SECTION-STEEL POST)	LF	12,000.
606.1403	BEAM GUARDRAIL (THRIE BEAM) INCLUDING TRANSITION SECTION	LF	6,575.
606.1442	BEAM GUARDRAIL (THRIE BEAM) INCLUDING TRAN. SECTION	LF	37.5

606.1454	BEAM GUARDRAIL (TERM. UNIT TYPE EAGRT 50 FT.)	U	13.
606.147	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2)	U	5.
606.312	SINGLE FACED TRANSITION RAIL, STEEL POST (F)	U	1.
606.412	CONCRETE BARRIER, DOUBLE-FACED, PRECAST	LF	940.
606.41211	TRANSITION MEDIAN CONCRETE BARRIER, PRECAST	U	1.
606.417	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL	LF	7,500.
606.91	RESETTING OR SETTING GUARDRAIL	LF	250.
606.9523	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE), TEST LEVEL 3	U	4.
607.1	WOVEN WIRE FENCE	LF	2,250.
607.41	POST ASSEMBLIES FOR WOVEN WIRE FENCE	EA	16.
607.652	CHAIN LINK FENCE WITH ALUMINUM-COATED STEEL FABRIC, 5 FEET HIGH	LF	1,600.
607.659	POST ASSEMBLIES FOR CHAIN LINK FENCE, 5 FT. HIGH	EA	14.
607.665	CHAIN LINK FENCE WITH VINYL-COATED STEEL FABRIC, 6 FEET HIGH	LF	45.
607.669	POST ASSEMBLIES FOR CHAIN LINK FENCE, 6 FT. HIGH	EA	15.
607.81862	18 FT. OPENING CHAIN LINK DOUBLE GATES W/ALUM. CTD. STEEL FABRIC, 6 FT. HIGH	EA	6.
608.28	8" CONCRETE SIDEWALK (F)	SY	615.
609.01	STRAIGHT GRANITE CURB	LF	685.
609.21	STRAIGHT GRANITE SLOPE CURB	LF	1,520.
609.23	CURVED GRANITE SLOPE CURB	LF	9.
609.5	RESET GRANITE CURB	LF	1,000.
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	17,800.
614.331	3" STEEL CONDUIT	LF	125.
614.341	4" STEEL CONDUIT	LF	160.
614.511	CONCRETE PULL BOX 14"	EA	11.
614.523	MOLDED PULL BOX 17"X30"	EA	9.
614.7314	3" PVC PLASTIC CONDUIT, SCHEDULE 40	LF	460.
614.7318	3" PVC PLASTIC CONDUIT, SCHEDULE 80	LF	30.
614.7414	4" PVC PLASTIC CONDUIT, SCHEDULE 40	LF	300.
614.7424	4" 2-DUCT PLASTIC CONDUIT SCHEDULE 40	LF	3,700.

614.7428	4" 2-DUCT PLASTIC CONDUIT SCHEDULE 80	LF	290.
615.012	TRAFFIC SIGN TYPE A, BREAKAWAY MOUNTS (F)	SF	491.
615.013	REMOVING TRAFFIC SIGN TYPE A	U	6.
615.02	TRAFFIC SIGN TYPE B (F)	SF	1,591.5
615.022	TRAFFIC SIGN TYPE B, BREAKAWAY MOUNTS (F)	SF	97.
615.023	REMOVING TRAFFIC SIGN TYPE B	U	180.
615.024	RELOCATING TRAFFIC SIGN, TYPE B	U	6.
615.03	TRAFFIC SIGN TYPE C (F)	SF	44.
615.032	TRAFFIC SIGN TYPE C, BREAKAWAY MOUNTS (F)	SF	77.
615.034	RELOCATING TRAFFIC SIGN, TYPE C	U	3.
615.04	TRAFFIC SIGN TYPE AA (F)	SF	521.
615.05	TRAFFIC SIGN TYPE BB (F)	SF	158.67
615.06	TRAFFIC SIGN TYPE CC (F)	SF	12.
615.10001	FULL TRAFFIC SIGN STRUCTURE	U	1.
615.10002	FULL TRAFFIC SIGN STRUCTURE	U	1.
615.20001	CANTILEVER TRAFFIC SIGN STRUCTURE	U	1.
615.20002	CANTILEVER TRAFFIC SIGN STRUCTURE	U	1.
615.20003	CANTILEVER TRAFFICS SIGN STRUCTURE	U	1.
615.20004	CANTILEVER TRAFFIC SIGN STRUCTURE	U	1.
616.101	TRAFFIC SIGNALS	U	1.
618.61	UNIFORMED OFFICERS WITH VEHICLE		AS SHOWN IN PROPOSAL
618.7	FLAGGERS	HR	250.
619.1	MAINTENANCE OF TRAFFIC	U	1.
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	3.
619.27	TRAILER-MOUNTED SPEED LIMIT SIGN	U	2.
619.501	ASTI TRANSPORTATION SYSTEMS TRAFFIC SMART WORK ZONE	U	1.
619.51	PORTABLE QUEUE TRAILER/SENSOR (PQT)	MON	174.
619.52	PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)	MON	116.
619.54	MOBILE VIDEO TRAILER WITH PAN TILT ZOOM (PTZ)	MON	58.
619.63	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3	EA	2.

621.1	RETROREFLECTIVE MEDIAN BARRIER DELINEATOR	EA	15.
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	220.
621.31	SINGLE DELINEATOR WITH POST	EA	350.
621.32	DOUBLE DELINEATOR WITH POST	EA	20.
622.1	STEEL WITNESS MARKERS	EA	130.
622.2	CONCRETE BOUNDS	EA	18.
625.22	CONCRETE LIGHT POLE BASES, TYPE B (FOR HIGH-WAY LIGHTING)	EA	3.
625.52	LIGHT POLE (HIGHWAY)	U	3.
628.1	SAWED CONCRETE PAVEMENT	LF	180.
628.2	SAWED BITUMINOUS PAVEMENT	LF	175.
631.024	MODULAR GLARE SCREEN	LF	940.
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	22,500.
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	249,000.
632.0112	RETROREFLECTIVE PAINT PAVE. MARKING, 12" LINE	LF	25,500.
632.0118	RETROREFLECTIVE PAINT PAVE. MARKING, 18" LINE	LF	130.
632.3112	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE	LF	950.
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	350.
632.9106	OBLITERATE PAVEMENT MARKING, 6" LINE	LF	21,300.
632.9112	OBLITERATE PAVEMENT MARKING, 12" LINE	LF	650.
645.0001	EROSION CONTROL TURBIDITY BARRIER	LF	1,000.
645.11	MULCH	A	30.
645.3	EROSION STONE	TON	20,000.
645.43	TEMPORARY SLOPE STABILIZATION TYPE C	SY	373,000.
645.45	PERMANENT CHANNEL STABILIZATION TYPE A	SY	9,200.
645.48	EROSION CONTROL MIX (STUMP GRINDINGS)	CY	5,000.
645.51	HAY BALES FOR TEMPORARY EROSION CONTROL	EA	4,992.
645.52	RYEGRASS FOR TEMPORARY EROSION CONTROL	LB	2,912.
645.531	SILT FENCE	LF	22,000.
645.7	STORM WATER POLLUTION PREVENTION PLAN	U	1.
645.71	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS	HR	3,750.

646.3	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	A	60.3
647.1	HUMUS	CY	27,371.
647.22	HUMUS, INTERMIXED, 2" DEEP	CY	53.
670.0451	CONSTRUCT AND REMOVE TEMPORARY DETOUR	U	1.
670.0461	CONSTRUCT AND REMOVE TEMPORARY WIDENING	U	1.
670.0462	CONSTRUCT AND REMOVE TEMPORARY WIDENING	U	1.
670.048	CONSTRUCT EMERGENCY ACCESS ROAD	U	1.
670.101	TEMPORARY LIGHTING	U	1.
670.95	TEMPORARY SAFETY FENCE	LF	2,200.
692.	MOBILIZATION	U	1.
693.	ON-THE-JOB TRAINING OF UNSKILLED WORKERS		AS SHOWN IN PROPOSAL
698.11913	FIELD OFFICE EQUIPMENT AND SUPPLIES	MON	30.
698.2	PHYSICAL TESTING LABORATORY	MON	30.
699.	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL		AS SHOWN IN PROPOSAL
802.11	BUILDING RENOVATIONS (CORRIDOR FIELD OFFICE)	U	1.
1008.53	ALTERATIONS AND ADDITIONS AS NEEDED - INVASIVE SPECIES MANAGEMENT		AS SHOWN IN PROPOSAL
1008.6	ALTERATIONS AND ADDITIONS AS NEEDED- DRINKING WATER RESOURCE PROT.		AS SHOWN IN PROPOSAL
1010.15	FUEL ADJUSTMENT		AS SHOWN IN PROPOSAL
1010.2	ASPHALT CEMENT ADJUSTMENT		AS SHOWN IN PROPOSAL
1010.3	QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT		AS SHOWN IN PROPOSAL

ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
203.1	COMMON EXCAVATION	CY	98,400.
203.2	ROCK EXCAVATION	CY	54,310.
203.4	MUCK EXCAVATION	CY	2,792.
203.52	IMPERVIOUS MATERIAL (F)	CY	12,449.
203.6	EMBANKMENT-IN-PLACE (F)	CY	42,760.
206.1	COMMON STRUCTURE EXCAVATION	CY	1,440.
206.2	ROCK STRUCTURE EXCAVATION	CY	440.
209.1	GRANULAR BACKFILL	CY	155.
304.4	CRUSHED STONE (FINE GRADATION) (F)	CY	3,763.
520.1	CONCRETE CLASS A	CY	32.
544.1	REINFORCING STEEL (ROADWAY)	LB	46.
585.2	STONE FILL, CLASS B	CY	4,620.
585.3	STONE FILL, CLASS C	CY	778.
585.5	STONE FILL, CLASS E	CY	2,250.
585.7	STONE FILL, CLASS G	CY	285.
593.411	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN	SY	13,128.
603.00215	15" R.C. PIPE, 2000D	LF	109.
603.00224	24" R.C. PIPE, 2000D	LF	60.
603.00236	36" R.C. PIPE, 2000D	LF	44.
603.00324	24" R.C. PIPE, 3000D	LF	130.
603.00330	30" R.C. PIPE, 3000D	LF	44.
603.30115	15" R.C. END SECTIONS	EA	1.
603.36112	12" ALUMINIZED STEEL END SECTION	EA	4.
603.36124	24" ALUMINIZED STEEL END SECTION	EA	1.
603.36130	30" ALUMINIZED STEEL END SECTION	EA	2.
603.36136	36" ALUMINIZED STEEL END SECTION	EA	1.
603.83212	12" PLASTIC PIPE (SMOOTH INTERIOR)	LF	198.
603.83224	24" PLASTIC PIPE (SMOOTH INTERIOR)	LF	110.
603.83230	30" PLASTIC PIPE (SMOOTH INTERIOR)	LF	47.
604.15	CATCH BASINS TYPE E	U	2.1
604.9101	OUTLET CONTROL STRUCTURE 4'X4'	U	1.
604.9102	OUTLET CONTROL STRUCTURE 4' DIA.	U	1.
604.9103	OUTLET CONTROL STRUCTURE 4'X4'	U	1.
604.9104	OUTLET CONTROL STRUCTURE 5'X10'	U	1.

604.9105	OUTLET CONTROL STRUCTURE 4' DIA.	U	1.
604.9106	OUTLET CONTROL STRUCTURE 4' DIA.	U	1.
604.9107	OUTLET CONTROL STRUCTURE 5'X10'	U	1.
604.9108	OUTLET CONTROL STRUCTURE 5'X10'	U	1.
604.9113	OUTLET CONTROL STRUCTURE 4' X 4'	U	1.
604.921	LEACHING CHAMBER, TYPE 1	EA	10.
604.922	LEACHING CHAMBER, TYPE 2	EA	5.
605.506	6" PERF. CORR. POLYETHYL PIPE UND.	LF	1,374.
605.508	8" PERF. CORR. POLYETHYL PIPE UND.	LF	1,000.
605.79	UNDERDRAIN FLUSHING BASINS	EA	7.
605.798	UNDERDRAIN FLUSHING BASINS, 8"	EA	16.
645.51	HAY BALES FOR TEMPORARY EROSION CONTROL	EA	8.
645.52	RYEGRASS FOR TEMPORARY EROSION CONTROL	LB	588.
646.3	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	A	16.7
647.1	HUMUS	CY	7,249.
647.29	WETLAND HUMUS	CY	4,400.
670.02	SEDIMENT SUMP MEASURING BLOCK	EA	6.

OTHER NON PARTICIPATING

ITEM NUMBER	ITEM DESCRIPTION	UNIT	QUANTITY
503.202	COFFERDAMS	U	1.
603.21324	24" R.C. PIPE, 3000D PIPE SLEEVE	LF	280.
1008.8	ALTERATIONS AND ADDITIONS AS NEEDED - WINTER MAINTENANCE		AS SHOWN IN PROPOSAL

10A

Rev: November, 2003

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

Proposal of _____
NAME

_____
ADDRESS

to furnish and deliver all materials and to perform all work in accordance with the Contract of the State of New Hampshire, Department of Transportation for roadway and bridge construction on which proposals will be received until 2:00 o'clock P.M., Prevailing Time on the 15th day of April, 2009. Said project being situated as follows:

I-93 NB and SB NH 111 crossing of I-93

N.H. Department of Transportation
John O. Morton Building
Room 130, Contract Section
P. O. Box 483
Concord, NH 03302-0483

Commissioner:

In accordance with the advertisement of the Department of Transportation inviting proposals for the project hereinbefore named and in conformity with the Plans and Specifications on file in the office of the Department of Transportation, I/WE hereby certify that I AM/WE ARE the only person, or persons, interested in this proposal as principals; that this proposal is made without collusion with any person, firm or corporation; that an examination has been made of the Plans, of the Standard Specifications, of the Standard Plans Book, of the Proposal, and applicable addendums, including but not restricted to the Special Attentions, Supplemental Specifications, and Special Provisions attached thereto, and also that an examination has been made of the site of the work; and I, or we, propose to furnish all necessary machinery, equipment, tools, labor and other means of construction, and to furnish all materials specified in the manner and at the time prescribed; and understand that the quantities of work as shown herein are approximate only and are subject to increase or decrease, and further understand that all quantities of work whether increased or decreased are to be performed at the following prices:

370A

BID SCHEDULE. NOTE: THIS PROPOSAL SHALL BE PREPARED BY THE BIDDER, WITH THE UNIT PRICES SPECIFIED IN BOTH WORDS AND FIGURES, AND THE EXTENSIONS MADE BY THE BIDDER. FOR COMPLETE INFORMATION CONCERNING THESE ITEMS, SEE PLANS, SPECIAL PROVISIONS, AND STANDARD SPECIFICATIONS ADOPTED IN 2006.

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
201.1	55.5	CLEARING AND GRUBBING (F) AT _____ _____ DOLLARS A PER A				
201.6	.4	CLEARING FOR FENCE LINES (F) AT _____ _____ DOLLARS A PER A				
201.8811	3.3	INVASIVE SPECIES CONTROL TYPE 1 AT _____ _____ DOLLARS A PER A				
201.8821	3.25	INVASIVE SPECIES CONTROL TYPE 2 AT _____ _____ DOLLARS A PER A				
202.31	90.	FILL ABANDONED PIPE AT _____ _____ DOLLARS CY PER CY				
202.32	20.	FILL ABANDONED STRUCTURE AT _____ _____ DOLLARS CY PER CY				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
202.41	3,000. LF	REMOVAL OF EXISTING PIPE 0-24" DIAMETER AT _____ _____ DOLLARS PER LF				
202.5	11. EA	REMOVAL OF CATCH BASINS, DROP INLETS, AND MANHOLES AT _____ _____ DOLLARS PER EA				
202.7	17,720. LF	REMOVAL OF GUARDRAIL (F) AT _____ _____ DOLLARS PER LF				
203.1	355,000. CY	COMMON EXCAVATION AT _____ _____ DOLLARS PER CY				
203.2	417,000. CY	ROCK EXCAVATION AT _____ _____ DOLLARS PER CY				
203.4	37,820. CY	MUCK EXCAVATION AT _____ _____ DOLLARS PER CY				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
203.52	15,995. CY	IMPERVIOUS MATERIAL (F) AT _____ _____ DOLLARS PER CY				
203.5525	3. U	PORTABLE CHANGEABLE MESSAGE SIGN PLATFORM AT _____ _____ DOLLARS PER U				
203.5554	13. U	GUARDRAIL 50' EAGRT PLATFORM AT _____ _____ DOLLARS PER U				
203.6	532,000. CY	EMBANKMENT-IN-PLACE (F) AT _____ _____ DOLLARS PER CY				
203.62	9,600. CY	EMBANKMENT-IN-PLACE REPLACEMENT MATERIAL AT _____ _____ DOLLARS PER CY				
203.81	40,700. LF	PRESPLITTING HOLES AT _____ _____ DOLLARS PER LF				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
203.82	6,000. LF	EXTRA DRILLED HOLES WITHOUT EXPLOSIVES AT _____ _____ DOLLARS PER LF				
203.91	300. HR	ROCK SCALING-HAND METHOD AT _____ _____ DOLLARS PER HR				
203.92	450. HR	ROCK SCALING-MACHINE METHOD AT _____ _____ DOLLARS PER HR				
203.93	1. U	HYDROGEOLOGIST AT _____ _____ DOLLARS PER U				
203.94	208. EA	BASELINE WATER SAMPLING AT _____ _____ DOLLARS PER EA				
203.95	24. EA	EXTENDED WATER SAMPLING AT _____ _____ DOLLARS PER EA				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
206.1	5,200. CY	COMMON STRUCTURE EXCAVATION AT _____ _____ DOLLARS PER CY				
206.19	60. CY	COMMON STRUCTURE EXCAVATION EXPLORATORY AT _____ _____ DOLLARS PER CY				
206.2	8,500. CY	ROCK STRUCTURE EXCAVATION AT _____ _____ DOLLARS PER CY				
209.1	5,500. CY	GRANULAR BACKFILL AT _____ _____ DOLLARS PER CY				
210.63	125. LF	GROUNDWATER OBSERVATION WELL (SOIL DRILLING) AT _____ _____ DOLLARS PER LF				
210.64	375. LF	GROUNDWATER OBSERVATION WELL (ROCK DRILLING) AT _____ _____ DOLLARS PER LF				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
210.7	5. EA	PROTECTIVE CASING WITH CAP AND LOCK AT _____ _____ DOLLARS PER EA				
214.	1. U	FINE GRADING AT _____ _____ DOLLARS PER U				
224.1	7,500. LF	HORIZONTAL DRAINS IN ROCK AT _____ _____ DOLLARS PER LF				
225.2	2,000. LF	PRESTRESSED ROCK BOLTS AT _____ _____ DOLLARS PER LF				
225.3	2,000. LF	ROCK DOWELS AT _____ _____ DOLLARS PER LF				
304.1	69,535. CY	SAND (F) AT _____ _____ DOLLARS PER CY				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
304.4	45,170. CY	CRUSHED STONE (FINE GRADATION) (F) AT _____ _____ DOLLARS PER CY				
304.41	800. CY	CRUSHED STONE (FINE GRADATION) FOR SHIM AT _____ _____ DOLLARS PER CY				
304.499	60. CY	TEMPORARY CRUSHED STONE (FINE GRADATION) AT _____ _____ DOLLARS PER CY				
304.5	21,620. CY	CRUSHED STONE (COARSE GRADATION) (F) AT _____ _____ DOLLARS PER CY				
315.5	850. CY	CRUSHED STONE - ENERGY ABSORBING MATERIAL AT _____ _____ DOLLARS PER CY				
403.11	5,600. TON	HOT BITUMINOUS PAVEMENT, MACHINE METHOD AT _____ _____ DOLLARS PER TON				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
403.11001	45,300. TON	HOT BITUMINOUS PAVEMENT, MACHINE METHOD (QC/QA TIER 1) AT _____ _____ DOLLARS PER TON				
403.12	60. TON	HOT BITUMINOUS PAVEMENT, HAND METHOD AT _____ _____ DOLLARS PER TON				
403.6	94,500. LF	PAVEMENT JOINT ADHESIVE AT _____ _____ DOLLARS PER LF				
403.99	3,800. TON	TEMPORARY BITUMINOUS PAVEMENT AT _____ _____ DOLLARS PER TON				
417.	19,000. SY	COLD PLANING BITUMINOUS SURFACES AT _____ _____ DOLLARS PER SY				
503.101	1. U	WATER DIVERSION STRUCTURES AT _____ _____ DOLLARS PER U				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
503.102	1. U	WATER DIVERSION STRUCTURES AT _____ _____ DOLLARS PER U				
503.103	1. U	WATER DIVERSION STRUCTURES AT _____ _____ DOLLARS PER U				
503.104	1. U	WATER DIVERSION STRUCTURES AT _____ _____ DOLLARS PER U				
503.105	1. U	WATER DIVERSION STRUCTURES AT _____ _____ DOLLARS PER U				
503.106	1. U	WATER DIVERSION STRUCTURES AT _____ _____ DOLLARS PER U				
503.201	1. U	COFFERDAMS AT _____ _____ DOLLARS PER U				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
503.202	1.	COFFERDAMS				
		AT _____				
	U	_____ DOLLARS PER U				
508.	85.	STRUCTURAL FILL				
		AT _____				
	CY	_____ DOLLARS PER CY				
520.1	120.	CONCRETE CLASS A				
		AT _____				
	CY	_____ DOLLARS PER CY				
520.2	375.	CONCRETE CLASS B				
		AT _____				
	CY	_____ DOLLARS PER CY				
538.5	156.	BARRIER MEMBRANE, WELDED BY TORCH (F)				
		AT _____				
	SY	_____ DOLLARS PER SY				
544.1	40,000.	REINFORCING STEEL (ROADWAY)				
		AT _____				
	LB	_____ DOLLARS PER LB				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
559.4	135. LF	ELASTOMERIC PLUG TYPE EXPANSION JOINT (F) AT _____ _____ DOLLARS PER LF				
565.222	234. LF	BRIDGE APPROACH RAIL, T2 (STEEL POSTS) (F) AT _____ _____ DOLLARS PER LF				
585.2	8,300. CY	STONE FILL, CLASS B AT _____ _____ DOLLARS PER CY				
585.3	2,200. CY	STONE FILL, CLASS C AT _____ _____ DOLLARS PER CY				
585.4	60. CY	STONE FILL, CLASS D AT _____ _____ DOLLARS PER CY				
585.5	2,250. CY	STONE FILL, CLASS E AT _____ _____ DOLLARS PER CY				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
585.7	285.	STONE FILL, CLASS G				
		AT _____				
	CY	_____ DOLLARS PER CY				
593.231	36,000.	GEOTEXTILE; SEPARATION CL.3, NON-WOVEN				
		AT _____				
	SY	_____ DOLLARS PER SY				
593.411	23,000.	GEOTEXTILE; PERM CONTROL CL.1, NON-WOVEN				
		AT _____				
	SY	_____ DOLLARS PER SY				
602.32412	170.	CURED-IN-PLACE LINER FOR 24" DRAINAGE PIPE				
		AT _____				
	LF	_____ DOLLARS PER LF				
602.33012	270.	CURED-IN-PLACE LINER FOR 30" DRAINAGE PIPE				
		AT _____				
	LF	_____ DOLLARS PER LF				
602.33612	200.	CURED-IN-PLACE LINER FOR 36" DRAINAGE PIPE				
		AT _____				
	LF	_____ DOLLARS PER LF				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
602.34812	220. LF	CURED-IN-PLACE LINER FOR 48" DRAINAGE PIPE AT _____ _____ DOLLARS PER LF				
603.00215	970. LF	15" R.C. PIPE, 2000D AT _____ _____ DOLLARS PER LF				
603.00218	200. LF	18" R.C. PIPE, 2000D AT _____ _____ DOLLARS PER LF				
603.00224	475. LF	24" R.C. PIPE, 2000D AT _____ _____ DOLLARS PER LF				
603.00230	310. LF	30" R.C. PIPE, 2000D AT _____ _____ DOLLARS PER LF				
603.00236	100. LF	36" R.C. PIPE, 2000D AT _____ _____ DOLLARS PER LF				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
603.00248	100. LF	48" R.C. PIPE, 2000D AT _____ _____ DOLLARS PER LF				
603.00318	80. LF	18" R.C. PIPE, 3000D AT _____ _____ DOLLARS PER LF				
603.00324	890. LF	24" R.C. PIPE, 3000D AT _____ _____ DOLLARS PER LF				
603.00330	50. LF	30" R.C. PIPE, 3000D AT _____ _____ DOLLARS PER LF				
603.00336	50. LF	36" R.C. PIPE, 3000D AT _____ _____ DOLLARS PER LF				
603.00436	100. LF	36" R.C. PIPE, 3750D AT _____ _____ DOLLARS PER LF				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
603.00448	220.	48" R.C. PIPE, 3750D				
		AT _____				
	LF	_____ DOLLARS PER LF				
603.21324	280.	24" R.C. PIPE, 3000D PIPE SLEEVE				
		AT _____				
	LF	_____ DOLLARS PER LF				
603.30115	1.	15" R.C. END SECTIONS				
		AT _____				
	EA	_____ DOLLARS PER EA				
603.30124	6.	24" R.C. END SECTIONS				
		AT _____				
	EA	_____ DOLLARS PER EA				
603.30136	3.	36" R.C. END SECTIONS				
		AT _____				
	EA	_____ DOLLARS PER EA				
603.36112	12.	12" ALUMINIZED STEEL END SECTION				
		AT _____				
	EA	_____ DOLLARS PER EA				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
603.36115	6. EA	15" ALUMINIZED STEEL END SECTION AT _____ _____ DOLLARS PER EA				
603.36118	9. EA	18" ALUMINIZED STEEL END SECTION AT _____ _____ DOLLARS PER EA				
603.36124	7. EA	24" ALUMINIZED STEEL END SECTION AT _____ _____ DOLLARS PER EA				
603.36130	3. EA	30" ALUMINIZED STEEL END SECTION AT _____ _____ DOLLARS PER EA				
603.36136	2. EA	36" ALUMINIZED STEEL END SECTION AT _____ _____ DOLLARS PER EA				
603.49012	60. LF	12" PIPE FOR SLOPE DRAIN. (CONTRACTORS OPTION) AT _____ _____ DOLLARS PER LF				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
603.61024	24. LF	RELAYING 0-24" RCP DRAINAGE PIPE AT _____ _____ DOLLARS PER LF				
603.83204	50. LF	4" PLASTIC PIPE (SMOOTH INTERIOR) AT _____ _____ DOLLARS PER LF				
603.83206	100. LF	6" PLASTIC PIPE (SMOOTH INTERIOR) AT _____ _____ DOLLARS PER LF				
603.83210	40. LF	10" PLASTIC PIPE (SMOOTH INTERIOR) AT _____ _____ DOLLARS PER LF				
603.83212	490. LF	12" PLASTIC PIPE (SMOOTH INTERIOR) AT _____ _____ DOLLARS PER LF				
603.83215	13,500. LF	15" PLASTIC PIPE (SMOOTH INTERIOR) AT _____ _____ DOLLARS PER LF				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
603.83218	4,600. LF	18" PLASTIC PIPE (SMOOTH INTERIOR) AT _____ _____ DOLLARS PER LF				
603.83224	1,450. LF	24" PLASTIC PIPE (SMOOTH INTERIOR) AT _____ _____ DOLLARS PER LF				
603.83230	215. LF	30" PLASTIC PIPE (SMOOTH INTERIOR) AT _____ _____ DOLLARS PER LF				
603.83236	110. LF	36" PLASTIC PIPE (SMOOTH INTERIOR) AT _____ _____ DOLLARS PER LF				
604.0007	126. EA	POLYETHYLENE LINER AT _____ _____ DOLLARS PER EA				
604.12	105. U	CATCH BASINS TYPE B AT _____ _____ DOLLARS PER U				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
604.125	14.	CATCH BASINS TYPE B, 5-FOOT DIAMETER AT _____ _____ DOLLARS PER U				
	U					
604.126	4.	CATCH BASINS TYPE B, 6-FOOT DIAMETER AT _____ _____ DOLLARS PER U				
	U					
604.15	51.	CATCH BASINS TYPE E AT _____ _____ DOLLARS PER U				
	U					
604.155	8.	CATCH BASINS TYPE E, 5-FOOT DIAMETER AT _____ _____ DOLLARS PER U				
	U					
604.16	18.	CATCH BASINS TYPE F AT _____ _____ DOLLARS PER U				
	U					
604.165	4.	CATCH BASINS TYPE F, 5-FOOT DIAMETER AT _____ _____ DOLLARS PER U				
	U					

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
604.32	5.	DRAINAGE MANHOLES				
		AT _____				
		_____ DOLLARS				
	U	PER U				
604.4	70.	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET				
		AT _____				
		_____ DOLLARS				
	LF	PER LF				
604.6	1.	MANHOLE COVERS & FRAMES				
		AT _____				
		_____ DOLLARS				
	EA	PER EA				
604.9101	1.	OUTLET CONTROL STRUCTURE 4'X4'				
		AT _____				
		_____ DOLLARS				
	U	PER U				
604.9102	1.	OUTLET CONTROL STRUCTURE 4' DIA.				
		AT _____				
		_____ DOLLARS				
	U	PER U				
604.9103	1.	OUTLET CONTROL STRUCTURE 4'X4'				
		AT _____				
		_____ DOLLARS				
	U	PER U				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
604.9104	1. U	OUTLET CONTROL STRUCTURE 5'X10' AT _____ _____ DOLLARS PER U				
604.9105	1. U	OUTLET CONTROL STRUCTURE 4' DIA. AT _____ _____ DOLLARS PER U				
604.9106	1. U	OUTLET CONTROL STRUCTURE 4' DIA. AT _____ _____ DOLLARS PER U				
604.9107	1. U	OUTLET CONTROL STRUCTURE 5'X10' AT _____ _____ DOLLARS PER U				
604.9108	1. U	OUTLET CONTROL STRUCTURE 5'X10' AT _____ _____ DOLLARS PER U				
604.9113	1. U	OUTLET CONTROL STRUCTURE 4' X 4' AT _____ _____ DOLLARS PER U				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
604.921	10. EA	LEACHING CHAMBER, TYPE 1 AT _____ _____ DOLLARS PER EA				
604.922	5. EA	LEACHING CHAMBER, TYPE 2 AT _____ _____ DOLLARS PER EA				
605.506	25,700. LF	6" PERF. CORR. POLYETHYL PIPE UND. AT _____ _____ DOLLARS PER LF				
605.508	1,000. LF	8" PERF. CORR. POLYETHYL PIPE UND. AT _____ _____ DOLLARS PER LF				
605.79	38. EA	UNDERDRAIN FLUSHING BASINS AT _____ _____ DOLLARS PER EA				
605.798	16. EA	UNDERDRAIN FLUSHING BASINS, 8" AT _____ _____ DOLLARS PER EA				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
605.82251	8,000. LF	24 " AGGREGATE UNDERDRAIN TYPE 2 WITH PERFORATED CORRUGATED POLY. PIPE AT _____ _____ DOLLARS PER LF				
606.120	12,000. LF	BEAM GUARDRAIL (STANDARD SECTION-STEEL POST) AT _____ _____ DOLLARS PER LF				
606.1403	6,575. LF	BEAM GUARDRAIL (THRIE BEAM) INCLUDING TRANSITION SECTION AT _____ _____ DOLLARS PER LF				
606.1442	37.5 LF	BEAM GUARDRAIL (THRIE BEAM) INCLUDING TRAN. SECTION AT _____ _____ DOLLARS PER LF				
606.1454	13. U	BEAM GUARDRAIL (TERM. UNIT TYPE EAGRT 50 FT.) AT _____ _____ DOLLARS PER U				
606.147	5. U	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) AT _____ _____ DOLLARS PER U				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
606.312	1.	SINGLE FACED TRANSITION RAIL, STEEL POST (F) AT _____ _____ DOLLARS PER U				
	U					
606.412	940.	CONCRETE BARRIER, DOUBLE-FACED, PRECAST AT _____ _____ DOLLARS PER LF				
	LF					
606.41211	1.	TRANSITION MEDIAN CONCRETE BARRIER, PRECAST AT _____ _____ DOLLARS PER U				
	U					
606.417	7,500.	PORTABLE CONCRETE BARRIER FOR TRAFFIC CONTROL AT _____ _____ DOLLARS PER LF				
	LF					
606.91	250.	RESETTING OR SETTING GUARDRAIL AT _____ _____ DOLLARS PER LF				
	LF					
606.9523	4.	TEMP. IMPACT ATTENUATION DEVICE (NON-REDIRECTIVE), TEST LEVEL 3 AT _____ _____ DOLLARS PER U				
	U					

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
607.1	2,250. LF	WOVEN WIRE FENCE AT _____ _____ DOLLARS PER LF				
607.41	16. EA	POST ASSEMBLIES FOR WOVEN WIRE FENCE AT _____ _____ DOLLARS PER EA				
607.652	1,600. LF	CHAIN LINK FENCE WITH ALUMINUM-COATED STEEL FABRIC, 5 FEET HIGH AT _____ _____ DOLLARS PER LF				
607.659	14. EA	POST ASSEMBLIES FOR CHAIN LINK FENCE, 5 FT. HIGH AT _____ _____ DOLLARS PER EA				
607.665	45. LF	CHAIN LINK FENCE WITH VINYL-COATED STEEL FABRIC, 6 FEET HIGH AT _____ _____ DOLLARS PER LF				
607.669	15. EA	POST ASSEMBLIES FOR CHAIN LINK FENCE, 6 FT. HIGH AT _____ _____ DOLLARS PER EA				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
607.81862	6. EA	18 FT. OPENING CHAIN LINK DOUBLE GATES W/ALUM. CTD. STEEL FABRIC, 6 FT. HIGH AT _____ _____ DOLLARS PER EA				
608.28	615. SY	8" CONCRETE SIDEWALK (F) AT _____ _____ DOLLARS PER SY				
609.01	685. LF	STRAIGHT GRANITE CURB AT _____ _____ DOLLARS PER LF				
609.21	1,520. LF	STRAIGHT GRANITE SLOPE CURB AT _____ _____ DOLLARS PER LF				
609.23	9. LF	CURVED GRANITE SLOPE CURB AT _____ _____ DOLLARS PER LF				
609.5	1,000. LF	RESET GRANITE CURB AT _____ _____ DOLLARS PER LF				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
609.811	17,800. LF	BITUMINOUS CURB, TYPE B (4" REVEAL) AT _____ _____ DOLLARS PER LF				
614.331	125. LF	3" STEEL CONDUIT AT _____ _____ DOLLARS PER LF				
614.341	160. LF	4" STEEL CONDUIT AT _____ _____ DOLLARS PER LF				
614.511	11. EA	CONCRETE PULL BOX 14" AT _____ _____ DOLLARS PER EA				
614.523	9. EA	MOLDED PULL BOX 17"X30" AT _____ _____ DOLLARS PER EA				
614.7314	460. LF	3" PVC PLASTIC CONDUIT, SCHEDULE 40 AT _____ _____ DOLLARS PER LF				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
614.7318	30. LF	3" PVC PLASTIC CONDUIT, SCHEDULE 80 AT _____ _____ DOLLARS PER LF				
614.7414	300. LF	4" PVC PLASTIC CONDUIT, SCHEDULE 40 AT _____ _____ DOLLARS PER LF				
614.7424	3,700. LF	4" 2-DUCT PLASTIC CONDUIT SCHEDULE 40 AT _____ _____ DOLLARS PER LF				
614.7428	290. LF	4" 2-DUCT PLASTIC CONDUIT SCHEDULE 80 AT _____ _____ DOLLARS PER LF				
615.012	491. SF	TRAFFIC SIGN TYPE A, BREAKAWAY MOUNTS (F) AT _____ _____ DOLLARS PER SF				
615.013	6. U	REMOVING TRAFFIC SIGN TYPE A AT _____ _____ DOLLARS PER U				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
615.02	1,591.5 SF	TRAFFIC SIGN TYPE B (F) AT _____ _____ DOLLARS PER SF				
615.022	97. SF	TRAFFIC SIGN TYPE B, BREAKAWAY MOUNTS (F) AT _____ _____ DOLLARS PER SF				
615.023	180. U	REMOVING TRAFFIC SIGN TYPE B AT _____ _____ DOLLARS PER U				
615.024	6. U	RELOCATING TRAFFIC SIGN, TYPE B AT _____ _____ DOLLARS PER U				
615.03	44. SF	TRAFFIC SIGN TYPE C (F) AT _____ _____ DOLLARS PER SF				
615.032	77. SF	TRAFFIC SIGN TYPE C, BREAKAWAY MOUNTS (F) AT _____ _____ DOLLARS PER SF				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
615.034	3.	RELOCATING TRAFFIC SIGN, TYPE C AT _____ _____ DOLLARS				
	U	PER U				
615.04	521.	TRAFFIC SIGN TYPE AA (F) AT _____ _____ DOLLARS				
	SF	PER SF				
615.05	158.67	TRAFFIC SIGN TYPE BB (F) AT _____ _____ DOLLARS				
	SF	PER SF				
615.06	12.	TRAFFIC SIGN TYPE CC (F) AT _____ _____ DOLLARS				
	SF	PER SF				
615.10001	1.	FULL TRAFFIC SIGN STRUCTURE AT _____ _____ DOLLARS				
	U	PER U				
615.10002	1.	FULL TRAFFIC SIGN STRUCTURE AT _____ _____ DOLLARS				
	U	PER U				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
615.20001	1. U	CANTILEVER TRAFFIC SIGN STRUCTURE AT _____ _____ DOLLARS PER U				
615.20002	1. U	CANTILEVER TRAFFIC SIGN STRUCTURE AT _____ _____ DOLLARS PER U				
615.20003	1. U	CANTILEVER TRAFFICS SIGN STRUCTURE AT _____ _____ DOLLARS PER U				
615.20004	1. U	CANTILEVER TRAFFIC SIGN STRUCTURE AT _____ _____ DOLLARS PER U				
616.101	1. U	TRAFFIC SIGNALS AT _____ _____ DOLLARS PER U				
618.61		UNIFORMED OFFICERS WITH VEHICLE			$625,000	00

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ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
618.7	250. HR	FLAGGERS AT _____ _____ DOLLARS PER HR				
619.1	1. U	MAINTENANCE OF TRAFFIC AT _____ _____ DOLLARS PER U				
619.25	3. U	PORTABLE CHANGEABLE MESSAGE SIGN AT _____ _____ DOLLARS PER U				
619.27	2. U	TRAILER-MOUNTED SPEED LIMIT SIGN AT _____ _____ DOLLARS PER U				
619.501	1. U	ASTI TRANSPORTATION SYSTEMS TRAFFIC SMART WORK ZONE AT _____ _____ DOLLARS PER U				
619.51	174. MON	PORTABLE QUEUE TRAILER/SENSOR (PQT) AT _____ _____ DOLLARS PER MON				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
619.52	116. MON	PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) AT _____ _____ DOLLARS PER MON				
619.54	58. MON	MOBILE VIDEO TRAILER WITH PAN TILT ZOOM (PTZ) AT _____ _____ DOLLARS PER MON				
619.63	2. EA	TRUCK-MOUNTED IMPACT ATTENUATOR, TEST LEVEL 3 AT _____ _____ DOLLARS PER EA				
621.1	15. EA	RETROREFLECTIVE MEDIAN BARRIER DELINEATOR AT _____ _____ DOLLARS PER EA				
621.2	220. EA	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR AT _____ _____ DOLLARS PER EA				
621.31	350. EA	SINGLE DELINEATOR WITH POST AT _____ _____ DOLLARS PER EA				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
621.32	20. EA	DOUBLE DELINEATOR WITH POST AT _____ _____ DOLLARS PER EA				
622.1	130. EA	STEEL WITNESS MARKERS AT _____ _____ DOLLARS PER EA				
622.2	18. EA	CONCRETE BOUNDS AT _____ _____ DOLLARS PER EA				
625.22	3. EA	CONCRETE LIGHT POLE BASES, TYPE B (FOR HIGHWAY LIGHTING) AT _____ _____ DOLLARS PER EA				
625.52	3. U	LIGHT POLE (HIGHWAY) AT _____ _____ DOLLARS PER U				
628.1	180. LF	SAWED CONCRETE PAVEMENT AT _____ _____ DOLLARS PER LF				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
628.2	175. LF	SAWED BITUMINOUS PAVEMENT AT _____ _____ DOLLARS PER LF				
631.024	940. LF	MODULAR GLARE SCREEN AT _____ _____ DOLLARS PER LF				
632.0104	22,500. LF	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE AT _____ _____ DOLLARS PER LF				
632.0106	249,000. LF	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE AT _____ _____ DOLLARS PER LF				
632.0112	25,500. LF	RETROREFLECTIVE PAINT PAVE. MARKING, 12" LINE AT _____ _____ DOLLARS PER LF				
632.0118	130. LF	RETROREFLECTIVE PAINT PAVE. MARKING, 18" LINE AT _____ _____ DOLLARS PER LF				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
632.3112	950. LF	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 12" LINE AT _____ _____ DOLLARS PER LF				
632.32	350. SF	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD AT _____ _____ DOLLARS PER SF				
632.9106	21,300. LF	OBLITERATE PAVEMENT MARKING, 6" LINE AT _____ _____ DOLLARS PER LF				
632.9112	650. LF	OBLITERATE PAVEMENT MARKING, 12" LINE AT _____ _____ DOLLARS PER LF				
645.0001	1,000. LF	EROSION CONTROL TURBIDITY BARRIER AT _____ _____ DOLLARS PER LF				
645.11	30. A	MULCH AT _____ _____ DOLLARS PER A				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
645.3	20,000. TON	EROSION STONE AT _____ _____ DOLLARS PER TON				
645.43	373,000. SY	TEMPORARY SLOPE STABILIZATION TYPE C AT _____ _____ DOLLARS PER SY				
645.45	9,200. SY	PERMANENT CHANNEL STABILIZATION TYPE A AT _____ _____ DOLLARS PER SY				
645.48	5,000. CY	EROSION CONTROL MIX (STUMP GRINDINGS) AT _____ _____ DOLLARS PER CY				
645.51	5,000. EA	HAY BALES FOR TEMPORARY EROSION CONTROL AT _____ _____ DOLLARS PER EA				
645.52	3,500. LB	RYEGRASS FOR TEMPORARY EROSION CONTROL AT _____ _____ DOLLARS PER LB				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
645.531	22,000.	SILT FENCE AT _____ _____ DOLLARS PER LF				
	LF					
645.7	1.	STORM WATER POLLUTION PREVENTION PLAN AT _____ _____ DOLLARS PER U				
	U					
645.71	3,750.	MONITORING SWPPP AND EROSION AND SEDIMENT CONTROLS AT _____ _____ DOLLARS PER HR				
	HR					
646.3	77.	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS AT _____ _____ DOLLARS PER A				
	A					
647.1	34,620.	HUMUS AT _____ _____ DOLLARS PER CY				
	CY					
647.22	53.	HUMUS, INTERMIXED, 2" DEEP AT _____ _____ DOLLARS PER CY				
	CY					

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
647.29	4,400. CY	WETLAND HUMUS AT _____ _____ DOLLARS PER CY				
670.02	6. EA	SEDIMENT SUMP MEASURING BLOCK AT _____ _____ DOLLARS PER EA				
670.0451	1. U	CONSTRUCT AND REMOVE TEMPORARY DETOUR AT _____ _____ DOLLARS PER U				
670.0461	1. U	CONSTRUCT AND REMOVE TEMPORARY WIDENING AT _____ _____ DOLLARS PER U				
670.0462	1. U	CONSTRUCT AND REMOVE TEMPORARY WIDENING AT _____ _____ DOLLARS PER U				
670.048	1. U	CONSTRUCT EMERGENCY ACCESS ROAD AT _____ _____ DOLLARS PER U				

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
670.101	1.	TEMPORARY LIGHTING AT _____ _____ DOLLARS PER U				
	U					
670.95	2,200.	TEMPORARY SAFETY FENCE AT _____ _____ DOLLARS PER LF				
	LF					
692.	1.	MOBILIZATION AT _____ _____ DOLLARS PER U				
	U					
693.		ON-THE-JOB TRAINING OF UNSKILLED WORKERS			$1,800	00
698.11913	30.	FIELD OFFICE EQUIPMENT AND SUPPLIES AT _____ _____ DOLLARS PER MON				
	MON					
698.2	30.	PHYSICAL TESTING LABORATORY AT _____ _____ DOLLARS PER MON				
	MON					

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	UNIT PRICES CENTS	AMOUNT DOLLARS	AMOUNT CENTS
699.		MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL			$200,000	00
802.11	1. U	BUILDING RENOVATIONS (CORRIDOR FIELD OFFICE) AT _____ _____ DOLLARS PER U				
1008.53		ALTERATIONS AND ADDITIONS AS NEEDED - INVASIVE SPECIES MANAGEMENT			$20,000	00
1008.6		ALTERATIONS AND ADDITIONS AS NEEDED- DRINKING WATER RESOURCE PROT.			$25,000	00
1008.8		ALTERATIONS AND ADDITIONS AS NEEDED - WINTER MAINTENANCE			$10,000	00
1010.15		FUEL ADJUSTMENT			$250,000	00

ITEM NOS.	APPROXIMATE QUANTITIES	ITEMS AND UNIT PRICES BID (F)-FINAL PAY QTY-SEE 109.11	UNIT PRICES DOLLARS	CENTS	AMOUNT DOLLARS	CENTS
1010.2		ASPHALT CEMENT ADJUSTMENT			$75,000	00
1010.3		QUALITY CONTROL QUALITY ASSURANCE (QC/QA) ASPHALT			$170,000	00

GRAND TOTAL $_____ *

* NOTE: GRAND TOTAL SHOULD ALSO BE ENTERED ON PROPOSAL COVER